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Preliminary list of the species of Geometridae of SW Turkey based upon the info-systems of the Cesa (Lepidoptera)

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Abstract: Preliminary list of the species of Geometridae of SW Turkey based upon the info-systems of the Cesa (Lepidoptera). *Misc. Pap.* 204: 1-27, 24 maps.
In this paper, 168 species of the Geometridae recorded from SW Turkey (Muğla, Antalya and İçel Provinces) are listed. Distributional information of 23 species are also visually supported by the maps.

Key words: Geometridae, Lepidoptera, fauna, SW Turkey, İçel, Antalya, Muğla.

The family Geometridae is represented in Turkey by 687 species (Koçak & Kemal, 2018). This number continues to increase with new researches. In the selected three provinces of SW Turkey (Mediterranean Region) faunistic studies were programmatically begun by the authors **(Map 1)**. The current status[2] of the Geometridae fauna in these provinces is as follows: İçel (127 species), Antalya (75 species), Muğla (29 species). The present paper will be a basis for the faunistic studies planned. Meanwhile, the previous articles of the authors, containing the species of Geometridae from Anamur (İçel Province), can be evaluated within this framework (Kemal & Koçak, 2017, 2018).

For the time being, 168 species known from the SW Turkey are listed below alphabetically. The full synonymy and range of each species are also given. The maps prepared for this paper are based on the information of the info-systems of the Cesa. Distributions of the species are also mentioned as codes. For the codes used here, *vide*: Koçak & Kemal (2019).

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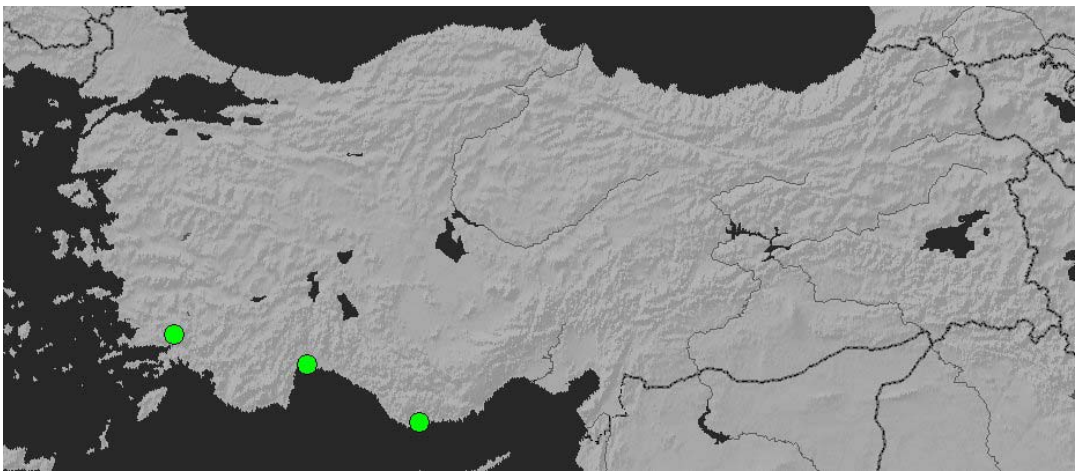
[2] based on the info-system of the cesa: http://www.cesa-tr.org/Infos.htm



Map 1 – Provinces of SW Turkey. From left to right Muğla, Antalya and İçel approximately marked.

List of the species

1.*Acanthovalva inconspicuaria* (Hübner,[1819]) (Map 2)

Synonymy: inconspicuaria Hübner,[1819]; pumicaria Lederer,1855; osyraria Guenée,[1858]; cinerascens Butler,1875; perturbata Bastelberger,1908; cinnamomaria Rothschild,1914

Range (as code): **ZA ZA01 Tva Lpo Spb Bbg Mal ZA06 Nta Kzu ZA14 ZA16 Mpu ZA17 ZA21 ZA24 NWe ZA26 ZA28 Gau Fs Nca Wca Ec SZ NA BW AO ZW MW MZ ZM KE ET MA DZ Ges GR IL Pa Hf LB Bei CY Cr TR IR ES An Mu YE Hd YE30 SY Hal PK CN Sz 07 09 33 46 80**

2.*Alcis repandata* (Linnaeus,1758)

Synonymy: repandata Linnaeus,1758; consobrinaria Scriba,1790; repandaria Borkhausen,1794; bistortae Vallot,1802; destrigaria Haworth,1809; conversaria Hübner,[1809]; muraria Curtis,1826; dealbata Turati & Verity,1911; fasciata Albers,1949 nec Wrnk.,1941

Range (as code): **PT ES FR Si IT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR TR Cc GG AZ DK NO SE FI EE LV LT RU MD UA BY CN Ui Kön Sz Sz1 06 14 16 33 34 56 61 75 81**

3.*Aleucis orientalis* (Staudinger,1892)

Synonymy: orientalis Staudinger,1892 Range (as code): **YU MK AL GR Sms UA IL Pa Js JO TR Cc AZ 01 05 07 17 21 23 31 35 46 47 56 59 65 71**

4.*Aplasta ononaria* (Fuessly,1783)

Synonymy: ononaria Fuessly,1783; rubellata De Villers,1789; rubicapraria Hübner,1793; sudataria Hübner,[1817]; faecataria Hübner,[1819]; ononata Bellier,1861

Range (as code): **PT ES Mu FR Co Si IT GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR TR CY IQ LB Bsa JO SY RU MD UA BY IL Pa He IR AM Cc 01 02 05 06 09 12 13 14 16 17 21 23 30 31 33 39 40 41 42 44 46 48 56 59 65 71 80**

5.*Aplocera annexata* (Freyer,[1830])

Synonymy: annexata Freyer,[1830]; boisduvaliata Duponchel,1831

Range (as code): **GR UA TR Cc Arr GG Smt Akh AM IR 05 06 13 14 16 18 24 25 33 36 38 42 44 46 51 58 60 61 65 69 76 80**

6.*Aplocera fraternata* (Herrich-Schäffer,1861)

Synonymy: fraternata Herrich-Schäffer,1861

Range (as code): **TR 16 33 42 46 51**

7.*Aplocera plagiata* (Linnaeus,1758)

Synonymy: plagiata Linnaeus,1758; duplicata Fabricius,1775; terlineata Goeze,1781; triplicata Geoffroy,1785; plagiaria Boisduval,1840; cypria L.B.Prout,1937; scotica Richardson,1952

Range (as code): **DZ Lbs PT ES FR Co Sa Si IT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR Cr TR Cc GG AZ AM Nv IQ Rwz IR Ab Oru Fa Sse Com Kz Gls Kh CY DK NO SE FI EE LV LT RU Krl MD UA BY KG Ket Ui Ju Kön IL Pa Js He LB Bsa 01 05 06 13 14 16 17 18 22 23 24 29 30 31 33 34 35 38 39 42 44 45 46 56 58 60 61 62 65 71 75 80 81**

8.*Apochima flabellaria* (Heeger,1838) (Map 3)
Synonymy: flabellaria Heeger,1838; marmararia Buresch,1915
Range (as code): **AET ES An Sa Si IT MT MK BG GR Rd Cr TR Cc GG Tbl LB RU IQ Bgd Mj CY IL Pa Js Jf JO UA IR TM Kp UZ TJ KG 01 07 10 17 21 23 26 31 34 44 45 46 47 48 56 65 72**

9.*Ascotis selenaria* ([Denis & Schiffermüller],1775)
Synonymy: #selenaria [Denis & Schiffermüller],1775; dianaria Hübner,[1817]; #seleneris Okyar & Aytaç,1999
Range (as code): **ES FR Co Sa Si IT MT LU DE CH AT PL CZ SK HU RO SS YU AL BG GR Cr TR Cc AZ RU MD UA BY IL Pa Mer CY PK Swa Sgl Klm SdS 01 05 10 13 14 16 17 21 22 31 33 34 45 46 52 56 57 61 65 81**

10.*Aspitates (Napuca) ochrearia* (Rossi,1794)
Synonymy: ochrearia Rossi,1794; sulphuraria Fabricius,1794; trifoliaria Haworth,1809; citraria Hübner,[1826]; laetula Hulst,1896; parvularia Lempke,1953
Range (as code): **DZ Ges Anna PT ES Mu FR Co Sa Si IT MT GB BE NL RO YU AL BG GR Rd TR CY IQ Dia RU MD UA Cm BY IL Pa Car US 01 05 06 16 17 21 22 33 34 35 39 41 45 46 56 59 64 71 72 79 80**

11.*Biston stratarius* (Hufnagel,1767)
Synonymy: strataria Hufnagel,1767; prodromaria [Denis & Schiffermüller],1775; marmorata Sulzer,1776; vernalis Fourcroy,1785; nigricans Oberthür,1913
Range (as code): **DZ Bsk PT ES FR Co Sa Si IT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU BG TR Cc GR Sms GG Mng Smt DK NO SE FI EE LV LT RU Cc TM MD UA BY 01 05 13 23 33 34 42**

12.*Camptogramma bilineatum* (Linnaeus,1758) (Map 4)
Synonymy: bilineata Linnaeus,1758; brocatella Fourcroy,1785; dumetata Schrank,1802; bilinearia Boisduval,1840; musauria Freyer,1846; testaceolata Staudinger,1871
Range (as code): **MA TN DZ Orn Clo PT ES Mu FR Co Si IT MT IE GB Sc Sht BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR Cr Rd TR AZ IQ IR Ab Oru Msw Ak Jal Fa Sse Mz Gls Kh DK NO SE FI EE LV LT RU Ur At MD UA Cm BY AZ Kir Cc AM GG KG TM Kp IL Pa LB Bsa 01 02 04 05 06 10 13 14 16 17 18 21 22 23 28 30 31 33 34 35 36 38 39 42 44 45 46 48 52 56 57 59 60 65 72 73 75 80**

13.*Casilda antophilaria* (Hübner,[1813])
Synonymy: antophilaria Hübner,[1813]; gegenaria Alpheraky,1883; #albipunctaria Alpheraky,1883; elvira Thierry-Mieg,1911.
Range (as code): **DZ Ges Mri ES FR IT YU AL GR Rd Cr CY TR RU Da Der UA Cm Cc AM GG AZ Len IR IQ CN Ui Ku KG 06 07 16 33 42 48 58**

14.*Catarhoe hortulanaria* (Staudinger,1879)
Synonymy: hortulanaria Staudinger,1879 Range (as code): **TR IL Pa CY GR Sms Nx Cr LB 01 05 07 09 27 48**

15.*Charissa (Cnestrognophos) libanotica* (Wehrli,1931)
Synonymy: libanotica Wehrli,1931 Range (as code): **LB Bsa TR Cc AM 07 56**

16.*Charissa (Euchrognophos) dubitaria* (Staudinger,1892)
Synonymy: dubitaria Staudinger,1892
Range (as code): **TR LB Bsa Cc AM IR Fa Sse Com Kz 13 23 30 33 38 47 56 65 72**

17.*Charissa (Euchrognophos) mucidaria* (Hübner,[1799])
Synonymy: mucidaria Hübner,[1799]; herrichi Oberthür,1913; nubilarius Reisser,1936
Range (as code): **MR DZ Orn PT ES Mu FR Co Sa Si IT MT CH BG GR Cr Cc AM GG TR 23 48 58**

18.*Charissa (Euchrognophos) subtaurica* (Wehrli,1934)
Synonymy: #subtaurica Wehrli,1932; subtaurica Wehrli,1934
Range (as code): **GR Sms TR LB Bei Bsa IL Pa Js CY JO 01 05? 07 16? 21 31 33 42 46 48 56 65?**

19.*Charissa (Kemtrognophos) ciscaucasica* (Rjabov,1964)
Synonymy: ciscaucasicus Rjabov,1964 Range (as code): **RU Da Cc AM TR IR TM 07 08 25 36 53 75**

20.*Charissa (Kemtrognophos) onustaria* (Herrich-Schäffer,[1852]) (Map 5)
Synonymy: onustaria Herrich-Schäffer,[1852]; oneraria Guenée,[1858]
Range (as code): **ES FR Co Sa Si IT RO YU AL BG GR TR GG Cc AZ AM IQ IL Pa JO IR Gls Kh 05 07 13 14 16 23 30 31 33 44 46 52 56 61 65 67 72**

21.*Charissa (Kemtrognophos) zeitunaria* (Staudinger,1901)
Synonymy: zeitunaria Staudinger,1901
Range (as code): **TR Cr Cc AM Eri 01? 06 13 18 25 33 42 46 51 56 58 65 71**

22.*Charissa (Neognophina) pfeifferi* (Wehrli,1926) (Map 6)

Synonymy: pfeifferi Wehrli,1926

Range (as code): **GR Sms TR LB Bsa 01 12 32 33 42 44 46 51 70**

23.*Charissa (Rhopalognophos) glaucinaria* (Hübner,[1799])

Synonymy: glaucinaria Hübner,[1799]; glaucinata Treitschke,1827; falconaria Freyer,1842; supinata Bruand,[1852]; supinaria Mann,1854; perstrigata Wehrli,1924

Range (as code): **PT ES FR Si IT DE CH AT PL CZ SK RO YU AL BG GR TR Cc GG UA 05 33**

24.*Charissa (s.str.) obscurata* ([Denis & Schiffermüller],1775)

Synonymy: #obscurata [Denis & Schiffermüller],1775; lividata Fabricius,1787 nec Cl.,1759; obscuraria Hübner,1799; anthracinaria Esper,1801; quadripustulata Donovan,1808

Range (as code): **DZ Mage PT ES Mu FR Sa Si IT MT IE GB BE NL DE CH AT PL CZ SK HU RO YU AL BG GR TR DK NO SE FI EE LV LT RU Cc GG AM MD UA BY 05 14 16 17 22 33 34 42 81**

25.*Chiasmia clathrata* (Linnaeus,1758) (Map 7)

Synonymy: clathrata Linnaeus,1758; almacola Wehrli,1934.

Range (as code): **MA DZ PT ES FR Co Si IT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR TR Cc GG AZ AM DK NO SE FI EE LV LT RU MD UA BY CN Ui Ju Kun Ii KG Ssn Lps 02 05 06 10 13 14 16 18 21 22 23 30 31 33 34 36 42 46 49 50 56 65 71 75 76 80 81**

26.*Chloroclysta siterata* (Hufnagel,1767)

Synonymy: siterata Hufnagel,1767; psittacata [Denis & Schiffermüller],1775; rubroviridata Donovan,1810; psittacaria Boisduval,1840

Range (as code): **MA PT ES FR Sa Si IT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR TR Cc GG AM AZ DK NO SE FI EE LV LT RU Ur MD UA Cm BY 14 33 46 56 65 75**

27.*Coenocalpe millierata* (Staudinger,1901)

Synonymy: millierata Staudinger,1901; zerhounaria Oberthür,1921

Range (as code): **MA ES FR GR MT BG TR 01 07**

28.*Coenotephria ablutaria* (Boisduval,1840)

Synonymy: ablutaria Boisduval,1840; probaria Herrich-Schäffer,1852; ruficinctaria Guenée,[1858]; ochrearia Staudinger,1901

Range (as code): **FR IT Co Sa Si SS HV B-H YU GR BG RO UA CY Rd Cr EG Sn IL Pa Car Js TR IR Kd Fa IQ Brs Dia Cc GG Bjo AM 01 05 16 17 27 29 30 31 33 34 35 36 42 46 48 56 65**

29.*Coenotephria schneideraria* (Lederer,1855)

Synonymy: schneideraria Lederer,1855; taurica Staudinger,1901; eteocretica Rebel,1906

Range (as code): **Cr Rd CY LB Bei Bsa TR 07 33 39 56 59**

30.*Colotois pennaria* (Linnaeus,1761)

Synonymy: pennaria Linnaeus,1761; cerasi Fabricius,1775; bifidaria Haworth,1809

Range (as code): **DZ Ges MA PT ES Mu FR Co Sa Si IT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR Cr TR Cc GG Bjo DK NO SE FI EE LV LT RU Us MD UA BY CY 01 05 06 12 13 22 23 33 34 39 52 56 65 75**

31.*Comibaena bajularia* ([Denis & Schiffermüller],1775)

Synonymy: pustulata Hufnagel,1767 nec Müller,1764; bajularia [Denis & Schiffermüller],1775

Range (as code): **PT ES FR Co Sa Si IT GB BE NL LU DE CH AT PL CZ SK HU RO YU BG GR Cr TR DK SE FI EE LV LT RU Cc GG Mng MD UA BY 07 13 14 31 32 37 39 42 52 57 60 61**

32.*Cosmorhoe ocellata* (Linnaeus,1758)

Synonymy: ocellata Linnaeus,1758; lynca Fabricius,1775; lynceata Fabricius,1781; ocellaria Boisduval,1840

Range (as code): **PT ES FR Co Si IT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR TR Cc GG AM AZ IR Gls DK NO SE FI EE LV LT RU MD UA BY Ui Ku KG Sdy 01 05 06 14 16 22 33 34 35 59 61 80 81**

33.*Costaconvexa polygrammata* (Borkhausen,1794)

Synonymy: polygrammata Borkhausen,1794; polygrammaria Haworth,1809; conjunctaria Lederer,1853; #rosea Wiltshire,1946

Range (as code): **PT ES FR Co Sa Si IT GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR Cr TR Cc AZ GG Tbl Lag Kir Len AM LB IL Pa IQ IR Fa Shr Mz Kh AF DK SE FI LV LT RU Ur KK KG Sdy TJ UZ TM MD UA Cm BY Ui Ku 01 05 18 33 42 65**

34.*Crocallis (s.str.) inexpectata* Warnecke,1940
Synonymy: inexpectata Warnecke,1940
Range (as code): **GR Sms Cc TR RU Da 05 08 18 25 33 42 50 51 52 56 58 62 65 66**

35.*Crocallis (s.str.) loebeli* Stadie & Fiebig,2014
Synonymy: loebeli Stadie & Fiebig,2014
Range (as code): **TR 02 07 13 30 38 44 50 58 62 65 70**

36.*Cyclophora puppillaria* (Hübner,[1799])
Synonymy: puppillaria Hübner,[1799]; nolaria Hübner,1809; gyrata Hübner,[1813]; gyraria Treitschke,1827; mirtalis Costa,1834; calaritana Turati,1911; asiaeminoris Amsel,1935; granti L.B.Prout,1935
Range (as code): **MA DZ Ges TN Az PT ES Mu FR Co Sa Si IT MT IE GB NL DE CH AT SK HU RO YU AL BG GR Cr Rd TR Cc GG Aj Akh DK SE RU MD UA BY IR Fa IL Pa Hf Car LB Bsa 01 06 07 14 16 17 31 33 34 42 45 46 48 52 58 65 72 80 81**

37.*Cyclophora suppunctaria* (Zeller,1847)
Synonymy: suppunctaria Zeller,1847; amabilis Schawerda,1922; grisea Schawerda,1938
Range (as code): **TN ES FR Co Sa Si IT CH AT PL SK HU RO YU AL BG GR Cr TR UA Cm IR Fa Lo SA SA63 14 23 30 33 42 56 71**

38.*Dasycorsa modesta* (Staudinger,1879)
Synonymy: modesta Staudinger,1879
Range (as code): **RO YU BG GR CY TR LB Bsa IL Pa Tbs IQ IR 01 05 06 14 17 21 22 23 30 31 33 34 39 42 44 46 48 49 56 59 65 71 73**

39.*Docirava mundata* (Staudinger,1892)
Synonymy: mundata Staudinger,1892
Range (as code): **TR LB Bei 01 05 13 23 30 33 38 42 44 46 56 58 65 66**

40.*Docirava musculata* (Staudinger,1892)
Synonymy: musculata Staudinger,1892
Range (as code): **GR Ae Sms TR IQ IR TM 05 06 23 25 28 30 33 38 44 46 51 62 65 71**

41.*Dyscia (Calodyscia) innocentaria* (Christoph,1885)
Synonymy: innocentaria Christoph,1885; #innocentana Pugaev & Zolotuhin,2006
Range (as code): **Co Sa Si IT YU HV AL MK BG RO Do GR RU Ao MD UA Cm TR IQ Er Ama Shq IR Gor Gls Kh TM Kp Noc JO Amm IL Pa Hf Js SY Dms CY Cc Da GG Bjo Lag AZ Kir AM Eri AF KG UZ Smk CN Ui Au 01 05 06 07 13 14 16 17 18 20 21 23 25 27 30 34 35 36 38 42 44 45 46 47 50 56 58 65 71**

42.*Eilicrinia trinotata* (Metzner,1845)
Synonymy: trinotata Metzner,1845
Range (as code): **CH SK HU RO YU AL BG GR TR Cc AM RU 05 06 16 21 22 33 34 38 39 42 45 59 71 76**

43.*Ematurga atomaria* (Linnaeus,1758)
Synonymy: atomaria Linnaeus,1758; isoscelata Scopoli,1763; pennata Scopoli,1763; aceraria Hufnagel,1767; artemisaria Herbst,1782; picta, microcosa Fourcroy,1785; glarearia Hübner,[1799]; obsoletaria Zett.,1839; minuta Heydemann,1925; arenaria Candeze,1926.
Range (as code): **PT ES FR Co Sa Si IT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR TR Cc GG Bjo Lag AZ AM DK NO SE FI EE LV LT RU MD UA BY CN Ui Ii Ku Gn KG Tk 05 06 11 12 13 14 16 17 22 33 34 37 39 41 45 52 54 55 57 58 60 67 74 81**

44.*Enanthyperythra legataria* (Herrich-Schäffer,[1852]) (Map 8)
Synonymy: legataria Herrich-Schäffer,[1852]
Range (as code): **MK GR? TR Cc AZ Nv Ord 05 06 07 14 16 32 44 56 65 69 70**

45.*Ennomos (Deuteronomos) quercarius* (Hübner,[1813])
Synonymy: quercaria Hübner,[1813]
Range (as code): **PT ES An FR Si IT CH AT PL SK HU RO YU MK AL BG GR Cr TR Cc GG Mng Smt AZ AM IR Gls Fa IQ RU MD UA Cm BY CY Cr LB Bsa IL Pa JO 05 07 14 30 31 33 34 42 55 56 60 65**

46.*Epirrhoe galiata* ([Denis & Schiffermüller],1775)
Synonymy: galiata [Denis & Schiffermüller],1775; quadriannulata Haworth,1809; unilobata Haworth,1809; chalybeata Hübner,[1813]; eophanata Krulikowsky,1906; emina Schawerda,1912
Range (as code): **MA DZ PT ES Mu FR Si IT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR Cr CY TR Cc GG Bjo Lag AM AZ DK NO SE FI EE LV LT RU MD UA Cm BY LB Bsa 05 06 14 16 29 31 34 42 46 48 51 80**

47.*Erannis declinans* (Staudinger,1879)
Synonymy: declinans Staudinger,1879.
Range (as code): **BG MK RO TR Cc RU Da AM IR 01 05 25 33 46 56**

48.*Eucrostes indigenata* (De Villers,1789)
Synonymy: indigenata De Villers,1789; fimbriolaria Hübner,[1817]; indigenaria Treitschke,1827; nudilimbaria Mabille,1880
Range (as code): **DZ Ges ES Mu FR Co Sa Si IT MT HU YU AL BG GR Cr TR IL Pa Js CY 07 16 31 48**

49.*Eulithis roessleraria* (Staudinger,1871)
Synonymy: roessleraria Staudinger,1871; pseudoledereri Schwingenschuss,1939.
Range (as code): **TR 01 23 33 42 46**

50.*Eumera turcosyrica* Wehrli,1932 (Map 9)
Synonymy: turcosyrica Wehrli,1932; #turcosyriaca Wehrli,1934
Range (as code): **TR IL Pa Js 31 33 38 42 46**

51.*Eupithecia antalica* Mironov,2001
Synonymy: antalica Mironov,2001
Range (as code): **GR TR 01 07**

52.*Eupithecia armeniaca* Vardikjan,1970
Synonymy: djakonovi Vardikjan,1961 nec Shch.,1956; armeniaca Vardikjan,1970
Range (as code): **AM Cc Eri TR 06 07 18 25**

53.*Eupithecia cerussaria* (Lederer,1855)
Synonymy: cerussaria Lederer,1855
Range (as code): **GR TR CY LB Bei IL Pa JO 33 35 42 46 72**

54.*Eupithecia cuculliaria* (Rebel,1901)
Synonymy: undata Bohatsch,1893 nec Frr.,1840; cuculliaria Rebel,1901
Range (as code): **IT SS HV B-H AL BG MK Cr GR TR 07 38 39 42**

55.*Eupithecia denotata* (Hübner,[1813])
Synonymy: denotata (Hübner,[1813]; atraria Herrich-Schäffer,[1848]; campanulata Herrich-Schäffer,1861; primulata Millière,1874; jasioneata Crewe,1881; livida Dietze,1910; pseudocastigata Pinker,1976
Range (as code): **PT ES FR IT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU BG GR TR Cc DK NO SE FI EE LV LT RU MD UA BY KG Mde Ui Ju 06 07 36**

56.*Eupithecia distinctaria* Herrich-Schäffer,[1848]
Synonymy: distinctaria Herrich-Schäffer,[1848]; constrictata Guenée,[1858]; sextiata Dardoin & Millière,1867; piemonticola Schwingenschuss,1954
Range (as code): **MA PT ES FR Co IT IE GB DE CH AT PL CZ SK HU RO YU AL BG GR TR AZ Nv Ord Cc GG SE LT RU UA Cm LB Bsa 07 14 33 42 46 65**

57.*Eupithecia dubiosa* Dietze,1910
Synonymy: dubiosa Dietze,1910
Range (as code): **LB Bei TR CY 07 44**

58.*Eupithecia extremata* (Fabricius,1787)
Synonymy: extremata Fabricius,1787; glaucomictata Mann,1855; hangayi Vojnits,1977.
Range (as code): **LY PT ES FR Co Si DE AT SK HU RO YU AL BG GR TR IQ RU MD UA BY Cc AZ Kir IL Pa Tbs Car LB Bsa IR 06 21 31 32 33 35 42 45 46 56 65**

59.*Eupithecia fuscicostata* Christoph,1887
Synonymy: fuscicostata Christoph,1887; fuscostigma Alpheraky,1892; salami Brandt,1938; domogledana Vojnits & Szabo,1988
Range (as code): **Cc AZ IR Elb Fa Sse RO GR MK Och TR GG AM RU 04 07 08 25 30 60**

60.*Eupithecia indigata* (Hübner,[1813])
Synonymy: indigata Hübner,[1813]; turfosata Draudt,1903; pliniata Stauder,1929

Range (as code): **ES FR IT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU GR TR BG DK NO SE FI EE LV LT RU MD UA Cm Da Cc BY 06 07 14**

61.*Eupithecia intricata* Zetterstedt,[1839]

Synonymy: intricata Zetterstedt,[1839]; helveticaria Boisduval,1840; pfeifferi Wehrli,1929

Range (as code): **ES FR IT IE GB BE NL LU DE Bv CH AT PL CZ SK HU RO YU BG TR DK NO SE FI EE LV LT RU MD UA BY CA On Qb US Msc Mai 14 33 46**

62.*Eupithecia irriguata* (Hübner,[1813])

Synonymy: variegata Haworth,1809 nec Scop.,1763; irriguata Hübner,[1813]

Range (as code): **PT ES FR Co Sa Si IT GB BE NL LU DE CH AT PL SK HU RO YU BG GR Cr TR IL Pa DK NO SE FI RU MD UA BY 44 48 71**

63.*Eupithecia nigritaria* Staudinger,1879

Synonymy: nigritaria Staudinger,1879

Range (as code): **TR 33 42**

64.*Eupithecia novata* Dietze,1903

Synonymy: novata Dietze,1903

Range (as code): **TR 33 70**

65.*Eupithecia perigraphata* Mironov,2013

Synonymy: perigraphata Mironov,2013

Range (as code): **TR 07**

66.*Eupithecia spissilineata* (Metzner,1846)

Synonymy: spissilineata Metzner,1846; multilineata Mann,1866.

Range (as code): **FR IT RO YU AL MK BG GR Cr TR LB Bsa IL Pa RU UA Cm Cc AZ Kir AM GG Bjo 01 05 06 07 13 25 30 42 46 56**

67.*Eupithecia subsequaria* Herrich-Schäffer,[1852]

Synonymy: subsequaria Herrich-Schäffer,[1852]; dubiosa Wagner,1929; dubiosata Wagner,1929; richteri Vardikjan,1954

Range (as code): **TR Cc AZ Nv Ord 05 06 33 42**

68.*Eupithecia vulgata* (Haworth,[1809]) (Map 10)

Synonymy: vulgata Haworth,[1809]; pygmaeata Borkhausen,1794; clusterata Hübner,[1813]; austeraria Herrich-Schäffer,1848; atropicta Dietze,1910; cyrneata Schawerda,1933

Range (as code): **MA PT ES FR Co IT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG TR DK NO SE FI EE LV LT RU Us MD UA BY KG Lps Ui Arc LB Bsa AF Pag Kab Sfk Kbb Wk 07 14 61 65**

69.*Gnopharmia rubraria* Staudinger,1892 (Map 11)

Synonymy: rubraria Staudinger,1892

Range (as code): **TR IL Pa Nab Js SY Dms JO Ajl 02 06 07 23 27 33 42 44 46 47 50 56 63 68 70 71 80**

70.*Gnophos (Dicrognophos) sartatus* Treitschke,1827 (Map 12)

71.

Synonymy: sartata Treitschke,1827; syriaca Thierry-Mieg,1916.

Range (as code): **Co Sa Si IT HV YU AL BG GR Pl Sms Cr Rd TR Cc GG AZ AM LB Bsa RU MD UA Cm BY SY IR Fa Sse IL Pa Mer Car Hf Js CY 02 05 06 14 16 17 20 21 23 27 30 31 33 34 35 42 45 46 56 65 73 80**

72.*Gnophos (s.str.) furvatus* ([Denis & Schiffermüller],1775)

Synonymy: #furvata [Denis & Schiffermüller],1775; denticulata De Villers,1789; meridionalis Wehrli,1924

Range (as code): **PT ES FR IT BE NL DE CH AT PL CZ SK HU RO YU AL BG GR TR RU MD UA BY 33**

73.*Godonela aestimaria* (Hübner,[1809]) (Map 13)

74.

Synonymy: aestimaria Hübner,[1809]; contemptata Guenée,[1858]; aestimata Herrich-Schäffer,1861; tunesella Lucas,1949.

Range (as code): **DZ Clo TN PT ES Mu FR Sa Si IT MT RO YU AL BG GR TR Cc AZ AM GG Ord Der Da Nv CY IQ Agh IR Mz Gls Fa Sse RU MD UA BY Ui Ku KK Ik IL Pa Jf Hf YE Hd YE68 08 16 23 30 42 46 48 56 65 72**

75.*Gymnoscelis rufifasciata* (Haworth,[1809])

Synonymy: rufifasciata Haworth,[1809]; pumilata Hübner,[1813].

Range (as code): **Cn MA DZ Clo PT ES FR Co Sa Si IT MT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR Cr Rd TR Cc GG Tbl Kir Hkd Arr AZ IQ DK NO SE FI EE LV LT RU MD UA BY IR Mz Gls UZ Fe KK Ik LB Bsa IL Pa Car 01 05 07 14 16 17 22 23 31 33 34 35 42 44 47 48 52 56 71 76 80 81**

76.*Hylaea fasciaria* (Linnaeus,1758)

Synonymy: fasciaria Linnaeus,1758; prosapiaria Linnaeus,1758; neustriaria Hufnagel,1767; prasinaria [Denis & Schiffermüller],1775; biliosata De Villers,1789; viridifasciosa Esper,1794; cleui Leraut,1993

Range (as code): **ES FR IT IE GB BE NL LU DE CH AT PL CZ SK RO YU AL BG GR TR GG Mng Bjo Bku Aba AM Cc DK NO SE FI EE LV LT RU MD UA BY 01 06 07 10 14 17 22 31 33 46 52 59 80**

77.*Hypomecis punctinalis* (Scopoli,1763)

Synonymy: punctinalis Scopoli,1763; urticaria Hufnagel,1767; turcaria Fabricius,1775; griseonigra Goeze,1781; bandevillaea Fourcroy,1785; consortaria Fabricius,1787; convexata Villers,1789; leucopheataria De Villers,1789; grisearia Bastelberger,1902; magyarica Wehrli,1932

Range (as code): **PT ES FR Co IT IE GB BE NL LU DE CH AT Lbn Spf PL CZ SK HU RO YU AL BG GR TR CY DK SE FI EE LV LT RU Ur Sb MD UA BY KP KR JP TW 05 13 14 16 31 33 39 52 57 61 80 81**

78.*Idaea camparia* (Herrich-Schäffer,[1852])

Synonymy: #camparia Herrich-Schäffer,[1851]; camparia Herrich-Schäffer,[1852]; europaea Wehrli,1934.

Range (as code): **DZ Orn PT ES FR Si IT RO YU HV AL BG GR Cr CY TR LB Bsa Cc AZ Nv AM GG Tbl Kir Lag Ord IQ RU MD UA BY IR Fa Com Kz Gls IL Pa Hf JO TM 01 02 05 07 16 17 22 23 30 31 33 35 45 46 52 59 65 72 76**

79.*Idaea consanguinaria* (Lederer,1853)

Synonymy: consanguinaria Lederer,1853; consanguinata Bellier,1861; faillata Fuchs,1901; turatii Sohn-Rethel,1929

Range (as code): **Si IT RO YU AL BG GR Cr TR RU IL Pa LB Bsa CY IR Cc AZ Nv GG 05 07 16 17 30 31 33 34 35 38 42 44 46 56**

80.*Idaea consolidata* (Lederer,1853)

Synonymy: consolidata Lederer,1853

Range (as code): **Sa Si SS HV YU AL MK BG GR Rd Cr CY TR LB Bsa IR? 05 06 07 16 34 46**

81.*Idaea degeneraria* (Hübner,[1799]) (Map 14)

Synonymy: degeneraria Hübner,[1799]; degenerata Treitschke,1828; floridaria Turati,1913

Range (as code): **MA DZ TN PT ES FR Co Sa Si IT MT GB DE CH AT PL CZ SK HU RO YU AL BG GR Cr Rd CY TR IL Pa LB Bsa Cc AZ GG Tbl Bjo Kir IQ RU MD UA BY TM IR Elb Fa Gls AF KG Db Kdy Ket Kyr UZ 01 02 05 06 07 13 14 16 17 21 22 27 30 31 33 34 36 39 42 46 48 52 56 58 60 61 65 71 72 75 76 80**

82.*Idaea determinata* (Staudinger,1876)

Synonymy: determinata Staudinger,1876; fasciata Staudinger,1892; geministrigata Fuchs,1901.

Range (as code): **FR Sa Si IT MT YU MK AL BG GR TR 01 07 13 14 22 23 31 32 33 39 46 49 71**

83.*Idaea deversaria* (Herrich-Schäffer,[1847])

Synonymy: maritimaria Bruand,1846; deversaria Herrich-Schäffer,[1847]; hyalinata Christoph,1885

Range (as code): **MA PT ES FR Co Sa Si IT LU DE CH AT PL CZ SK HU RO YU AL BG GR Cr TR Cc GG Bjo AM AZ Nv Ord DK NO SE FI EE LV LT RU MD UA Cm BY IR Gls Kh 05 06 07 14 16 23 29 30 31 33 34 39 42 61 80 81**

84.*Idaea dimidiata* (Hufnagel,1767) (Map 15)

Synonymy: dimidiata Hufnagel,1767; scutulata [Denis & Schiffermüller],1775; antitaurica Wehrli,1931 nec Wehrli,1931; tauricola Wehrli,1934.

Range (as code): **PT ES Mu FR Co Sa Si IT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR Cr TR Cc GG Bjo Kir Lag AZ AM IR Mz IL Pa LB Bsa TM DK NO SE FI EE LV LT RU MD UA Cm BY CA US 01 05 16 31 33 34 39 45 46 48 52 65 75 81**

85.*Idaea distinctaria* (Boisduval,1840)

Synonymy: distinctaria Boisduval,1840; ruficostata Zeller,1849; incarnaria Herrich-Schäffer,1852

Range (as code): **FR Co Sa Si IT CH SS HV YU AL BG GR Cr Rd CY TR IL Pa JO EG 01 07 27 31 33**

86.*Idaea elongaria* (Rambur,1833)

Synonymy: elongaria Rambur,1833; aridata Zeller,1847; aridaria Heydenreich,1851; monadaria Guenée,[1858]; confusaria Lederer,1863; infermata Staudinger,1871; zephyrata Millière,1872; marialudovicata Lucas,1942.

Range (as code): **MA DZ Clo TN PT ES Mu FR Co Sa Si IT MT SK HU RO HV YU AL BG GR Sms Cr CY TR Cc AZ GG LB Bsa AZ Nv IQ Akr RU UZ CN Ui Ii Ku Khr KG Tk 01 07 13 16 17 31 34 35 46 56 71**

87.*Idaea filicata* (Hübner,[1799])

Synonymy: filicata Hübner,[1799]; filicaria Duponchel,1830; levequei Leraut,2005

Range (as code): **ES Mu FR Co Sa Si IT CH AT CZ SK HU RO YU AL BG GR Cr Rd TR IQ Rwz Agh IL Pa CY LB IR 01 05 13 14 16 17 21 22 23 30 31 33 34 42 44 45 46 48 52 56 58 59 60 61 65 71 80**

88.*Idaea infirmaria* (Rambur,1833)

Synonymy: infirmaria Rambur,1833; carnearia Mann,1855; ledererata Guenée,[1858]; nigrobarbata Staudinger,1859; aquitanaria Constant,1865

Range (as code): **MA DZ TN PT ES FR Co Sa Si IT MT YU AL GR Cr TR 17 48**

89.*Idaea intermedia* (Staudinger,1879)

Synonymy: intermedia Staudinger,1879

Range (as code): **GR Cr RD CY TR LB Bei Bsa IL Pa Hf 01 05 06 20 31 33 38 46 47 71**

90.*Idaea mimosaria* (Herrich-Schäffer,1852)

Synonymy: mimosaria Herrich-Schäffer,1852

Range (as code): **TR CY IL Pa Hf 01 05 07 33**

91.*Idaea moniliata* ([Denis & Schiffermüller],1775)

Synonymy: moniliata [Denis & Schiffermüller],1775; ?pentalineata De Villers,1789; omicata Fabricius,1794; #moniliaria Hübner,[1799]; pluripunctata Scharfenberg,1805

Range (as code): **PT ES FR IT DE CH AT PL CZ SK HU RO YU AL BG GR TR Cc AZ AM GG Tbl Mng Bjo Smt Da Der RU MD UA Cm BY IR Gls TM 01 05 06 13 14 16 22 31 33 34 36 39 42 52 56 60 81**

92.*Idaea obsoletaria* (Rambur,1833)

Synonymy: obsoletaria Rambur,1833; violacearia Staudinger,1901; algeriensis Baker,1888; distans Hausmann,1991; violacearia Hausmann,1991 nec Wlk.,1861

Range (as code): **MA DZ Ges Clo Sbd ES Mu FR Co Sa Si IT CH AT CZ SK HU RO YU AL BG GR Cr TR Cc GG Tbl Bjo Ord Da Der AZ Nv RU MD UA BY IQ IR Fa LB Bsa 05 07 14 16 25 35 39 42 45 58 59 71**

93.*Idaea ossiculata* (Lederer,1871)

Synonymy: ossiculata Lederer,1871

Range (as code): **MK GR TR Cc AM AZ Nv Ord GG RU Da UA Cm IR Ab Gor Kh LB KG Kpt 01 02 04 05 06 07 13 23 25 30 31 33 38 40 42 44 46 58 65 70**

94.*Idaea ostrinaria* (Hübner,[1813])

Synonymy: ostrinaria Hübner,[1813]; demarginata Schwingenschuss,1938.

Range (as code): **MA DZ Ges Lbs TN PT ES Mu FR Co Sa Si IT YU AL BG GR Cr Rd TR CY 01 07 16 17 23 31 33 42 44 46 59 60 71 80**

95.*Idaea palaestinensis* (Sterneck,1933)

Synonymy: antitaurica Wehrli,1932 nec Whrl.,1931; palaestinensis Sterneck,1933; seitunensis L.B.Prout,1934

Range (as code): **LB Shw Bei IL Pa GR Cr Rd CY TR IQ Agh Bgd IR Fa 07 14 17 22 31 34 46**

96.*Idaea politaria* (Hübner,[1799])

Synonymy: politata Hübner,1793 nec Fabr.,1781; politaria Hübner,[1799]; #abmarginata Bohatsch,1885; mundipennis W.Warren,1898; abmarginata Staudinger,1901

Range (as code): **DZ Sbd PT ES FR Co Sa Si IT CH CZ SK HU RO SS YU AL BG GR Cr TR IQ LB Bsa RU MD UA Cm CY Cc GG Lag Der Da AZ AM IR Mz Gls 01 05 07 14 16 22 23 31 33 34 39 45 52 65 81**

97.*Idaea rufaria* (Hübner,[1799]) (Map 16)

Synonymy: rufaria Hübner,[1799]; ochridana Silbernagel,1944

Range (as code): **MA PT ES Mu FR Co Si IT BE DE CH AT PL CZ SK HU RO YU B-H MK HV AL BG Vrn GR Rd TR Cc GG Tbl Bjo Mng Kir Bku Smt Da Der Nv Ord AZ AM Ksp IQ RU MD UA BY IR Fa Com Kz Kh AF Pag Kab MN KG Jsn 01 05 14 16 17 22 30 33 34 39 42 58 65 76 80**

98.*Idaea subsericeata* (Haworth,[1809])

Synonymy: subsericeata Haworth,[1809]; perfluaria Boisduval,1840; pinguedinata Zeller,1847; asbestaria Zeller,1849; puraria Heydenreich,1851; pinguedinaria Herrich-Schäffer,1852; oloraria Rössler,1857; mancuniata Knaggs,1865; veterata Gregson,1866; diaphanaria A.Bang-Haas,1910; zernyi D.Lucas,1934

Range (as code): **MA DZ Ges TN PT ES Mu FR Co Sa Si IT IE GB BE NL DE CH AT CZ SK HU RO YU AL BG GR Cr TR Cc GG Lag Len Ord Kir AM AZ Nv DK RU UA Cm IL Pa 01 05 07 16 17 22 23 30 31 33 34 46 52 59 81**

99.*Idaea sylvestraria* (Hübner,[1799])

Synonymy: sylvestraria Hübner,[1799]; marginepunctata Stephens,1831 nec Gz.,1781; straminata Treitschke,1835 nec Bkh.,1794; grammicaria Boisduval,1840; circellata Guenée,1858; fologneraria Staudinger,1863; graciliata Mann,1867; shiskensis Matsumura,1925; minuta Heydemann,1933

Range (as code): **ES FR Sa IT GB BE NL DE CH AT PL CZ SK HU RO YU BG TR DK NO SE FI EE LV LT RU MD UA BY Cc GG Sb Sh 48 65**

100.*Idaea tineata* (Thierry-Mieg,1911)

Synonymy: tineata Thierry-Mieg,1911; antennata Wehrli,1931.

Range (as code): **GR Sms Rd TR IL Pa LB Bmm CY 09 31 32 33 42 70**

101.*Idaea trigeminata* (Haworth,[1809])

Synonymy: trigeminata Haworth,[1809]; reversata Treitschke,1828; reversaria Duponchel,1830.

Range (as code): **ES Co Sa Si IT GB BE NL DE CH AT CZ SK HU RO YU AL BG GR LB Bsa TR CY GG Bjo Kir AZ SE RU MD UA Cm Cc AM IR Gls 01 05 07 13 14 16 17 23 30 31 33 34 46 52 61 65 80 81**

102.*Idaea troglodytaria* (Herrich-Schäffer,[1852])

Synonymy: troglodytaria Herrich-Schäffer,[1852]; albonitens Sterneck,1939

Range (as code): **IL Pa Js JO Rd Cr GR CY TR 01 07 09 13 31 33 46 48**

103.*Larerannis aurantiaria* (Hübner,[1799])

Synonymy: aurantiaria Hübner,[1799]; incompletaria Haworth,1809

Range (as code): **ES FR Sa IT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU BG TR Cc GG Mng Smt DK NO SE FI EE LV LT RU MD UA BY 22 33 34 39 75**

104.*Ligdia lassulata* (Rogenhofer,1873)

Synonymy: lassulata Rogenhofer,1873

Range (as code): **TR 01 33 46 71**

105.*Lithostege ancyrana* L.B.Prout,1938

Synonymy: ancyrana L.B.Prout,1938

Range (as code): **TR 06 33 42 58**

106.*Lithostege flavicornata* (Zeller,1847)

Synonymy: flavicornata Zeller,1847

Range (as code): **TR AM Cc IR Th AZ CN Ui Ku 04 05 06 16 25 33 38 42 48 58 60 65 70 76**

107.*Lithostege odessaria* (Boisduval,1848)

Synonymy: odessaria Boisduval,1848

Range (as code): **MD UA Ode TR 07 15**

108.*Lithostege palaestinensis* Amsel,1935

Synonymy: palaestinensis Amsel,1935; ali Wiltshire,1941.

Range (as code): **GR CY TR SY Hal IL Pa JO IQ Kbl Fat Njf Agh SA SA63 IR Fa Zj Ss Bu Kz Mz Th Elb Dam 13 27 31 33 36 44 63 65**

109.*Lycia zonaria* ([Denis & Schiffermüller],1775)

Synonymy: zonaria [Denis & Schiffermüller],1775; zona Fabricius,1787

Range (as code): **ES FR IE GB BE NL LU DE CH AT PL CZ SK HU RO TR Cc GG Tbl AM DK SE RU MD UA BY 33 65**

110.*Lythria purpuraria* (Linnaeus,1758)

Synonymy: purpuraria Linnaeus,1758; cruentata Hufnagel,1767 nec Sc.,1763; sanguinolenta Fourcroy,1785 nec Linn.,1767

Range (as code): **ES FR IT BE LU DE CH AT PL CZ SK HU RO YU AL BG GR TR Cc GG AZ AM IQ IR Gls Kh EE LV RU Ur Sb MD UA BY KG KK TJ TM UZ Ui Ii Ku 01 05 06 12 13 14 16 17 22 31 33 34 38 39 42 44 46 52 58 60 61 65 69 71 76**

111.*Macaria liturata* (Linnaeus,1761)

Synonymy: #liturata Clerck,1759; liturata Linnaeus,1761; igneata Hufnagel,1767; fuscata Thunberg,1788; lituratariа Esper,[1801]; lituraria Hübner,[1823]

Range (as code): **ES FR Co IT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU HV MK BG GR TR Cc GG Mng Smt Bjo Bku DK NO SE FI EE LV LT RU Am MD UA BY 14 33 61 75 81**

112.*Mattia callidaria* (De Joannis,1891)

Synonymy: callidaria De Joannis,1891; adlata Staudinger,[1895]

Range (as code): **GR Cr TR CY IL Pa Jt Js LB Bei 07 33**

113.*Menophra berenicidaria* (Turati,1924)

Synonymy: berenicidaria Turati,1924; trypanaria Wiltshire,1948; cretacaria Reisser,1948

Range (as code): **TN LY Cy Sms TR CY Cy1 Cy5 GR Cr 07 33 81**

114.*Minoa murinata* (Scopoli,1763)

Synonymy: murinata Scopoli,1763; sordiata Linnaeus,1767; fuscata Hufnagel,1767; euphorbiata [Denis & Schiffermüller],1775; unicolorata Hübner,1787; euphorbiaria Hübner,1799

Range (as code): **DZ Cst PT ES FR Co Si IT GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR TR Cc AZ GG AM RU Kr Tua MD UA BY KG TrA Tal Ui Kun 05 14 16 17 33 34 39 61 65**

115.*Myinodes shohami* Hausmann,1994

Synonymy: shohami Hausmann,1994

Range (as code): **Rd TR LB CY IL Pa JO IQ IR Fa Shr 07 17 21 23 33 44 46 47 56**

116.*Neognopharmia stevenaria* (Boisduval,1840)

Synonymy: stevenaria Boisduval,1840; lapidisaria Freyer,1841

Range (as code): **PT ES Mu FR IT RO MD UA Cm YU HV SS MK AL BG GR Ip Sms Cr TR AZ Cc AM GG IQ IR Fa Sse Com Kz RU Sr Or Ur Vl Kis IL Pa Car Hf LB Bsa CY 01 02 05 06 08 14 16 17 21 22 23 25 27 31 33 36 42 44 46 56 61 65**

117.*Nychiodes (Eunychiodes) amygdalaria* (Herrich-Schäffer,[1848])

Synonymy: amygdalaria Herrich-Schäffer,[1848]

Range (as code): **IT YU MK BG GR Cr TR LB Bsa IL Pa Js Hf JO Ajl Cc AM IR 06 16 21 25 31 32 33 42 44 45 46 47 56 80**

118.*Nychiodes (s.str.) obscuraria* (De Villers,1789)

Synonymy: obscuraria De Villers,1789; obscurata Borkhausen,1794; lividaria Hübner,[1799]

Range (as code): **MA DZ Clo PT FR Si IT CH AT GR TR Cc AZ Len 05 16 17 21 22 33 39 45 65 80**

119.*Odezia atrata* (Linnaeus,1758)

Synonymy: atrata Linnaeus,1758; chaerophyllata Linnaeus,1767; chaerophyllaria Boisduval,1840; pyrenaica Gumppenberg,1887; meridionalis Reisser,1935

Range (as code): **PT ES FR Py IT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR TR Cc GG AM DK NO SE FI EE LV LT RU MD UA BY 01 05 06 13 14 18 28 29 33 36 37 38 42 46 49 60 61 65 71**

120.*Orthonama obstipata* (Fabricius,1794) (Map 17)

Synonymy: obstipata Fabricius,1794; fluviata Hübner,[1799]; gemmata Hübner,1799; albicinctata Haworth,1809; angustata Haworth,1809; quaerendaria Costa,1850; baccata Guenée,[1858]; lapillata Guenée,[1858]; contrariata Walker,1862; exagitata Walker,1862; intrusata Walker,1862; peracutata Walker,1862; signataria Walker,1863; obruptata Walker,1863; pigrata Walker,1866; plemyrata R.Felder & Rogenhofer,1875; inconspicua Warren,1896; brunneipennis Hulst,1896; discata Warren,1905

Range (as code): **PT ES Mu FR Co Sa Si IT MT IS IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR Cr Rd TR IQ Agh GG AM Cc AZ IR Sse Fa AF DK NO SE FI EE LV RU Ur Sb Am Sh MD UA Cm BY KG KK UZ TJ TM CN MN KP KR JP ZA ZA10 ZA12 Kzu Nta IL Pa Jf Mtl LB Bsa MY Bor Sbh KBa Kh CY PK Swa Dara Sgl Yek YE Tbl Mng Kir Lag Hkd ZR EG ET KE TZ MA DZ Ges Bsk Nbr Gf TN 01 05 06 07 13 14 16 17 22 30 31 33 34 42 46 56 65 71 72 80**

121.*Orthostixis cribraria* (Hübner,[1799])

Synonymy: cribraria Hübner,[1799].

Range (as code): **Si IT HU RO YU AL BG GR TR RU Cc GG Bjo Lag Kir Mng Smt AZ AM LB IR Elb Clu 01 05 06 12 13 14 16 17 29 31 33 42 46 56 65 72 75 80**

122.*Oulobophora externaria* (Herrich-Schäffer,[1848])

Synonymy: #externata Herrich-Schäffer,1843; externaria Herrich-Schäffer,[1848]

Range (as code): **GR BG CY TR IQ IR Fa Sse IL Pa 05 16 21 30 31 32 33 34 35 42 46 56 65 73**

123.*Oulobophora internata* (Püngeler,1888)

Synonymy: internata Püngeler,1888; macedonica Staudinger,1892 Range (as code): **MK BG GR Rd TR 07 17 30 31 32 33 56**

124.*Pachycnemia hippocastanaria* (Hübner,[1799]) (Map 18)

Synonymy: hippocastanaria Hübner,[1799]; anomalata Haworth,1812; degenerata Hübner,[1813]; difformaria Hübner,[1825]; hippocastanata Treitschke,1827; modestaria Lempke,1970

Range (as code): **DZ Clo PT ES FR Co Sa Si IT GB BE NL LU DE CH AT PL CZ SK HU YU AL GR Cr TR DK NO SE LV RU MD UA BY 05 14 16 17 33 81**

125.*Pelurga comitata* (Linnaeus,1758)

Synonymy: comitata Linnaeus,1758

Range (as code): **ES FR IT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU BG TR Cc AZ Kir DK NO SE FI EE LV LT RU K-R Ur Am Us Sh Sb MD UA Cm BY Cc AZ Ui Ku KG Ksa Kain Tk MN KP KR JP 33**

126.*Perconia strigillaria* (Hübner,1787)

Synonymy: strigillaria Hübner,1787; respersaria Hübner,[1799]; inaequaria Haworth,1809; herpeticaria Rambur,1866; grisearia Lempke,1952; fuscosignaria Lempke,1953

Range (as code): **ES FR Si IT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU BG GR TR Cc GG Tbl Bjo IR Gls DK NO SE FI EE LV LT RU Ur MD UA BY 05 06 14 16 17 22 33 34 52 59 76 80**

127.*Peribatodes correptarius* (Zeller,1847) (Map 19)

Synonymy: correptaria Zeller,1847

Range (as code): **YU AL BG GR Cr Rd CY TR RU LB Bsa 05 13 14 16 23 33 34 35 42**

128.*Peribatodes rhomboidarius* ([Denis & Schiffermüller],1775)

Synonymy: #rhomboidaria [Denis & Schiffermüller],1775; inaequalis Goeze,1781; gemmaria Brahm,1791; ichnusaria Ghiliani,1852; corsicaria Schawerda,1931; saerdabensis Wehrli,1943

Range (as code): **MA PT ES Mu FR Co Sa Si IT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR Cr TR Cc AZ GG IQ IR Mz Gls Fa Sse DK SE FI RU MD UA BY IL Pa LB Bsa Bmm Zah CY 01 05 08 13 14 15 16 17 22 23 30 31 33 34 36 37 42 44 45 46 48 52 56 57 58 59 60 61 65 77 81**

129.*Peribatodes secundarius* ([Denis & Schiffermüller],1775)

Synonymy: #secundaria [Denis & Schiffermüller],1775; fallentaria Staudinger,1879; druentiaria Cleu,1928; syrisca Wehrli,1933; francosuevica Schneider,1942; rometschi Schneider,1942; occidentaria Lempke,1953

Range (as code): **ES FR Co Sa IT GB BE NL LU DE CH AT PL CZ SK HU RO YU BG GR TR DK NO SE FI LB 05 14 33 34 46**

130.*Peribatodes umbrarius* (Hübner,[1809])

Synonymy: umbraria Hübner,[1809]; vaucheri Thierry-Mieg,1916 Range (as code): **MA DZ PT ES Mu FR Co Sa Si IT CH SK HU RO YU AL BG GR Cr TR IQ Brs IR Mz Gls Kh Fa Sse RU MD UA BY IL Pa Js LB Bsa CY 01 05 12 13 14 23 30 31 33 42 44 45 46 56 65 71**

131.*Phaiogramma etruscaria* (Zeller,1849)

Synonymy: etruscaria Zeller,1849; pulmentaria Guenée,[1858]; palaestinensis Fuchs,1903; benderi Koutsaftikis,1973

Range (as code): **DZ Clo Anna Bsk TN Gf PT ES Mu FR Co Sa Si IT MT BE CH AT PL CZ SK RO YU AL BG GR Cr Rd TR IQ RU CY SY IR Kd Elb Th Fa Sse Com Kz AZ AM GG Smt Bjo Lag Kir Nv Ord Da Der Cc LB Bsa IL Pa Jf Mtl Ui Ii KG Ket Clk Kyr Kpt 01 05 14 16 17 21 23 28 31 32 33 39 42 44 46 52 56 58 61 65 72 76 80**

132.*Philereme transversata* (Hufnagel,1767)

Synonymy: transversata Hufnagel,1767; rhamnata [Denis & Schiffermüller],1775.

Range (as code): **ES FR IT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR TR Cc GG Bjo Mng Smt AZ Kir DK SE FI EE LV LT RU MD UA BY IL Pa IR Mz Gls Kh 01 05 06 16 31 33 38 46 65 71**

133.*Problepsis ocellata* (Frivaldszky,1845)

Synonymy: ocellata Frivaldszky,1845; ommatophoraria Guenée,[1858]

Range (as code): **TR GR Cr Rd CY LB Bei IL Pa Js Tbs 01 07 27 31 32 33 35 46 48 80**

134.*Proteuchloris neriaria* (Herrich-Schäffer,[1852])

Synonymy: neriaria Herrich-Schäffer,[1852].

Range (as code): **YU BG GR Cr TR Cc GG Smt Bjo IL Pa LB Bsa CY 01 05 13 14 16 17 23 31 33 46 80**

135.*Protorhoe beshkovi* Rajaei, Stadie & Hausmann,2017

Synonymy: beshkovi Rajaei, Stadie & Hausmann,2017

Range (as code): **TR 07 42**

136.*Protorhoe corollaria* (Herrich-Schäffer,[1848])

Synonymy: corollaria Herrich-Schäffer,[1848]; noacki Draudt,1935.

Range (as code): **ES FR MK Och AL BG GR Cr Rd TR RU MD UA Cm 01 05 06 07 12 23 30 31 33 42 46 47 50 51 65 73**

137.*Protorhoe unicata* (Guenée,[1858]) (Map 20)

Synonymy: unicata Guenée,[1858]; avetianae Vardikyan,1974

Range (as code): **Si YU MK AL BG GR Sms TR Gk RU IQ Ab Oru IR Fa Shr Sse Com Kz KG KK UZ TJ Fe UA Cm AZ Nv AM Cc GG Lag Kir Ord 01 02 05 06 07 13 14 17 18 19 20 21 25 27 30 33 38 42 45 50 56 65 68 70 71 72 73 80 81**

138.*Pseudopanthera macularia* (Linnaeus,1758)

Synonymy: macularia Linnaeus,1758; maculata Scopoli,1763; panthera Fourcroy,1785; quadrimaculata Haworth,1809; meridionalis Galvagni,1908

Range (as code): **PT ES FR Co IT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR TR Cc GG Bjo DK NO SE FI EE LV LT RU MD UA BY 05 06 07 14 16 37 54 60 61 81**

139.*Pseudopanthera syriacata* (Guenée,1858)

Synonymy: syriacata Guenée,1858; #syriacaria Wiltshire,1958

Range (as code): **TR LB Bsa Bei IL Pa Car Js IQ Dia Ry Rwz Brs 01 02 13 21 30 31 33 44 46 47 56 65 73 80**

140.*Pseudoterpna coronillaria* (Hübner,[1817])

Synonymy: coronillaria Hübner,[1817]; cinerascens Koch,1854 nec Z.,1847; #coronilleria Rebel,1939

Range (as code): **DZ Clo PT ES Mu FR Co Sa Si IT TR IL Pa Hf LB Bei Bsa CY JO 01 17 31 33 35 46 48 80**

141.*Pseudoterpna pruinata* (Hufnagel,1767)

Synonymy: pruinata Hufnagel,1767; prasinaria Fabricius,1775 nec Hufnagel,1767; cythisaria [Denis & Schiffermüller],1775; genistaria De Villers,1789.

Range (as code): **ES FR IT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR Cr TR Cc GG Smt Bjo DK SE LT RU MD UA BY 06 14 16 46 48 52 57**

142.*Rhodometra sacraria* (Linnaeus,1767) (Map 21)

Synonymy: sacraria Linnaeus,1767; labda Cramer,1777; sacralis Thunberg,1784; fulvaria Fabricius,1794; sanguinaria Esper,1801; minervae Gistl,1856; labdaria Guenée,[1858];

Range (as code): **MA DZ TN PT ES Mu FR Co Sa Si IT MT IE GB BE NL LU DE CH AT CZ SK HU RO YU AL BG GR Cr Rd TR IL Pa Car Jf Js Hf LB Bsa CY IQ Agh TH IR Shr Fa Sse Ahz DK NO SE EE LV RU MD UA BY AF Ca PK Bl Cp Qu ZA ZA04 ZA05 ZA06 ZA27 Kzu Nta Lpo Tva Spb Mdk SH MG MN CN KG sKG Tks Dtk Mre Cp Haz Cls Cn Md Az IN AZ Nv AM Cm SY Hal YE Bea Clo Orn Ges MM ZW TM NA AE CL Gg Cls 01 05 06 07 09 12 13 16 17 22 23 27 30 31 33 34 42 44 45 46 48 51 52 56 58 59 63 65 72**

143.*Rhodostrophia (s.str.) calabra* (Petagna,1787)

Synonymy: calabra Petagna,1787; trifasciata Cyrillo,1787; calabraria Hübner,1790.

Range (as code): **DZ Clo MA PT ES Mu FR Si IT DE CH RO YU AL BG GR Rd TR Cc GG Bjo AZ AM RU Da 01 05 06 07 14 17 18 22 31 34 39 50 57 58 61 62 71 80**

144.*Rhodostrophia (s.str.) discopunctata* Amsel,1935

Synonymy: tabidaria auct. nec Zell.,1847; discopunctata Amsel,1935

Range (as code): **RO YU AL MK BG GR IL Pa Car Js Mer LB Bei Bsa JO TR Cc GG AM IQ 02 05 06 13 14 16 17 18 21 23 27 28 29 30 31 33 36 38 42 43 44 46 49 50 56 58 60 65 70 72 80 81**

145.*Scopula beckeraria* (Lederer,1853)

Synonymy: beckeraria Lederer,1853; pseudoafghana Ebert,1965

Range (as code): **IT RO SS MK BG GR TR AZ Nv Kir RU Da Sj AZ Nv Ord Der Da Kur GG Cc IL Pa He LB Bsa UZ Fe KG Nrl Jsn Ui Ku MN IR Fa Sse Com Kz Shr Ahz Ke AF Bm 01 04 05 06 07 13 14 24 25 27 30 36 42 44 47 51 56 58 63 65 71 72 76**

146.*Scopula flaccidaria* (Zeller,1852)

Synonymy: flaccidaria Zeller,1852

Range (as code): **AT CZ SK HU RO YU AL BG GR Cr TR GG Bjo Kir Lag Cc AZ AM IQ RU MD UA BY CN Ui Ku IR IL Pa CY TM 01 05 16 22 31 33 39 46 59**

147.*Scopula imitaria* (Hübner,[1799])

Synonymy: fimbriata Fourcroy,1785 nec Schreb.,1759; imitaria Hübner,[1799]

Range (as code): **MA Tgr DZ TN LY PT ES Mu FR Co Sa Si IT MT IE GB BE NL CH RO YU AL BG GR Cr Rd CY TR Cc GG Bjo Kir Lag Len AZ DK RU MD UA BY SY IL Pa LB Bei 01 05 07 09 10 14 16 22 31 33 34 35 45 48 57 59 76 81**

148.*Scopula immorata* (Linnaeus,1758)

Synonymy: immorata Linnaeus,1758; contaminata Scopoli,1763; graminata Hufnagel,1767; festucaria Brahm,1791 nec Hbn.,1790; fuscata Fabricius,1794 nec Hfn.,1767; immoraria Hübner,[1799]; serenata Turati,1905; myrtillata Dadd,1911

Range (as code): **ES FR Si IT GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG TR Cc GG Bjo Kir Bku AZ AM DK NO SE FI EE LV LT RU Sb Am MD UA BY IR Ab 14 16 18 33 65**

149.*Scopula luridata* (Zeller,1847)

Synonymy: luridata Zeller,1847; formosaria Herrich-Schäffer,1852; coenosaria Lederer,1855

Range (as code): **DZ Orn GR Cr Rd TR LB Bei Cc GG Bjo Kir AZ Nv PK Krc CY KP KR CN IL Pa Jf SA YE Sna YE30 SO 01 05 07 33 34 35 38 46 47 57 61**

150.*Scopula marginepunctata* (Goeze,1781)

Synonymy: marginepunctata Goeze,1781; conjugata Borkhausen,1794; aniculosata Rambur,1829; puellaria Boisduval,1840; mutaria Heydenreich,1851; promutata Guenée,[1858]; promutaria Morris,1861; apertaria Walker,[1863]; madoniata Fuchs,1901; pastoraria Joannis,1891; #marginipunctata Rothschild,1914; britonaria Oberthür,1917; subatrata Wagner,1919; #insubrica Vorbrodt,1930

Range (as code): **MA Rf DZ Ges TN PT ES Mu FR Co Sa Si IT MT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR Cr Rd CY TR Cc AM GG Tbl Bjo Kir Ber Ord Nv AZ Nv Arr IQ IR Ab Oru Elb Th Fa DK SE LV LT RU Da MD UA Cm BY KG Ket Kyr Ui Ku Ju Kön LB Bsa IL Pa Jf MN 01 02 05 06 13 14 16 17 21 22 23 24 30 33 34 35 38 39 42 44 46 52 56 58 59 60 61 65 71 72 76 80 81**

151.*Scopula minorata* (Boisduval,1833)

Synonymy: minorata Boisduval,1833; #ochroleucata Herrich-Schäffer,1844; ochroleucaria Herrich-Schäffer,[1847]; luculata Guenée,[1858]; mauritiata Guenée,[1858]; consentanea Walker,1861; holobapharia Mabille,1900; mombasae W.Warren,1904; dresnayi D.Lucas,1937.

Range (as code): **ET KE Mb MG RE MU MA DZ Bsk Gf TN PT Cn ES Mu FR Sa Si IT MT AL BG GR Cr TR IQ Mos Bgd Ktz ZA Ksi Kzu ZA16 Mpu ZA21 Tva Lpo IL Pa Js CY SA MG CV AF PK ID Sum YE YE47 Sna 01 07 23 33 58**

152.*Scopula ornata* (Scopoli,1763)

Synonymy: ornata Scopoli,1763; instilata Hufnagel,1767; paludata Linnaeus,1767; institata Rottemburg,1777; interrupta Goeze,1781; intersecta Fourcroy,1785; ornataria Hübner,[1799]; paludalis Schrank,1802

Range (as code): **MA DZ Ges Lbs Clo TN PT ES Mu FR Co Sa Si IT MT GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR Cr Rd CY TR Cc GG AZ AM Nv IQ DK SE FI EE LV LT RU MD UA BY KG Ksa Kain Ui Kun Kön AF Ca PK Bl Qu Haz Mre 01 05 06 07 09 11 13 14 16 17 18 22 23 29 30 34 39 44 52 59 61 65 76 77 81**

153.*Scopula rubiginata* (Hufnagel,1767)

Synonymy: rubiginata Hufnagel,1767; rubricata [Denis & Schiffermüller],1775; vittata Thunberg,1784; domialla Fourcroy,1785; variata De Villers,1789; #rubricaria Hübner,[1799]; subangularia Herrich-Schäffer,1839

Range (as code): **MA PT ES FR Co Si IT GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR TR GG Tbl Lag Bjo Mng Smt Kir Cc AZ AM DK SE FI EE LV LT RU Sb MD UA BY KG Jsn Ui Ku Tek Kty IMn IR Ab MN 04 05 06 07 13 14 16 24 25 34 39 42 44 52 58 59 65 75 81**

154.*Scopula submutata* (Treitschke,1828)

Synonymy: submutata Treitschke,1828; submutaria Boisduval,1840; submutulata Rebel,1902; pseudhonestata Wehrli,1926

Range (as code): **MA DZ PT ES FR Co Si IT CH RO YU HV MK B-H AL BG GR Cr TR LB Bei Bsa Cc GG AZ Nv IQ Kad IR Gls Kh TM Kp IL Pa IR Fa Sse Com Kz Shr AF PK 01 05 06 07 13 16 17 21 24 27 31 33 42 45 46 47 56 58 65 71 73**

155.*Scopula turbulentaria* (Staudinger,1870)

Synonymy: turbulentaria Staudinger,1870; collata W.Warren,1901; habenata W.Warren,1901; syriacata Neuburger,1904; syriturcica Wehrli,1934

Range (as code): **TN Si IT GR Cr Rd CY TR RO BG RU Cc AM IR Elb Mz Kd LB Bei IL Pa Js TM SA CN 01 05 07 16 17 31 33 34 35 39 42 45 46 58**

156.*Scopula vigilata* (Wagner,1926)

Synonymy: #submutulata Rebel,1902; #vigilata L.B.Prout,1913; vigilata Wagner,1926; turatii Wagner,1926; submutulata Wagner,1926

Range (as code): **Si IT MT GR CY Cr TR CY 07 31 33**

157.*Scotopteryx coarctaria* ([Denis & Schiffermüller],1775)

Synonymy: coarctaria [Denis & Schiffermüller],1775; coarctata Fabricius,1794; tenebraria Hübner,[1809]

Range (as code): **ES FR IT NL DE CH AT PL CZ SK HU RO YU AL BG GR TR Cc DK RU MD UA Cm Ur BY 01 05 06 14 16 33 36**

158.*Scotopteryx luridata* (Hufnagel,1767)

Synonymy: luridata Hufnagel,1767; plumbaria Fabricius,1775; palumbaria [Denis & Schiffermüller],1775; marginaria Goeze,1781; quadrifasciaria Thunberg,1784; luridaria Brahm,1791; palumbata Hübner,[1825]

Range (as code): **ES Mu FR Co IT IE GB BE NL DE CH AT PL CZ SK HU RO YU BG GR TR DK SE Cc GG Bjo AZ Lag AM RU Ur 05 16 31 33**

159.*Selidosema brunnearium* (De Villers,1789)

Synonymy: brunnearia De Villers,1789; ericetaria Villers,1789; subfimbriata Haworth,1812; oelandica Wahlgren,1913; parenzani Husmann,1993

Range (as code): **PT ES FR Si IT IE GB BE NL DE CH AT PL CZ HU AL GR TR Cc GG Kir Bjo AZ DK NO SE RU MD UA BY 05 24 33 44 56 76**

160.*Stueningia wolfi* Hausmann,1993 (Map 22)

Synonymy: wolfi Hausmann,1993

Range (as code): **TR 01 07 30 33 42 65 72**

161.*Synopsia sociaria* (Hübner,[1799])

Synonymy: sociaria Hübner,[1799]; staudingeraria Martorell,1874; acuta Wehrli,1926

Range (as code): **PT ES FR Co Sa Si IT NL DE CH AT PL CZ SK HU RO YU AL BG GR TR Cc GG Lag AZ Len AM Eri IR Gls RU Ur At MD UA BY KG Nrl Bks Kpt Kkk Ui Ku 14 16 17 25 33 34 42 50 52 58 65 76**

162.*Tephronia oppositaria* Mann,1864

Synonymy: oppositaria Mann,1864

Range (as code): **MK AL BG GR TR Cc AZ RU IR Elb Gls SY 01 16 33 39 42**

163.*Tephronia sepiaria* (Hufnagel,1767)

Synonymy: sepiaria Hufnagel,1767; cineraria [Denis & Schiffermüller],1775; carieraria Herrich-Schäffer,1848; destituta Walker,1870; fingalata Millière,1873

Range (as code): **PT ES FR Co Sa Si IT BE LU DE CH AT PL CZ SK HU RO YU BG GR TR Cc GG AZ LT RU MD UA BY EG EG11 01 14 33 38 42**

164.*Thalera fimbrialis* (Scopoli,1763)

Synonymy: fimbrialis Scopoli,1763; thymiaria Linnaeus,1767; bupleuraria [Denis & Schiffermüller]1,775; albaria Esper,[1801]; magnata Fuchs,1903; obsoleta Skala,1913; major Warnecke,1930; ochracea Kolossow,1936; approximata Lempke,1949; tangens Lempke,1949; fasciata Hartwieg,1951

Range (as code): **PT ES FR Co Si IT GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR TR AZ AM GG Lag Kir Hkd Cc DK NO SE FI EE LV LT RU MD UA BY KK Ik Ax KG Cgl Nrl Zha Ui Kun Au IR Elb Th Fa Com Kz 01 04 05 13 16 17 22 30 31 33 34 41 42 46 51 56 58 62 65 75 81**

165.*Thera (s.str.) variata* ([Denis & Schiffermüller],1775)

Synonymy: variata [Denis & Schiffermüller],1775; adumbrata De Villers,1789; variaria Boisduval,1840; subtaurica Wehrli,1932; balcanicola de Lattin,1951

Range (as code): **ES FR IT BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR TR Cc GG AM AZ DK NO SE FI EE LV LT RU MD UA BY KG Tal Ui Ku Kl LB 01 07 14 34 37 46 58 61 81**

166.*Timandra comae* Schmidt,1931

Synonymy: angulata Fourcroy,1785 nec Hfn.,1767; comae Schmidt,1931; brykaria Nordström,1943; comai Kaila & Albrecht,1994

Range (as code): **MA PT ES Mu FR Co Sa Si IT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR TR DK NO SE FI EE LV LT RU MD UA BY IL Pa Cc GG AM AZ IR TM KG sKG Tks Sb Ksa Tk Aa MN 01 05 08 16 22 33 34 39 42 52 53 55 58 59 76**

167.*Triphosa sabaudiata* (Duponchel,1830)

Synonymy: sabaudiata Duponchel,1830; millierata Bruand,1855; agnata Le Cerf,1918; oberthueri Le Cerf,1918

Range (as code): **MA ES FR IT DE CH AT RO YU AL BG GR TR LB Bsa 01 05 06 07 08 25 29 32 33 37 38 69**

168.*Wehrliola revocaria* (Staudinger,1892) (Map 23)

Synonymy: revocaria Staudinger,1892; #fasciata Wagner,1931.

Range (as code): **TR LB Bei IL Pa Hf 01 23 33 42 46**

169.*Xanthorhoe fluctuata* (Linnaeus,1758) (Map 24)

Synonymy: fluctuata Linnaeus,1758; fibulata Hufnagel,1767; cinerata Fourcroy,1785 nec Fabr.,1781; costovata Haworth,1809; fluctuaria Boisduval,1840; multistriga Oberthür,1910

Range (as code): **MA DZ Clo Cst TN ES Mu FR Co Si IT IE GB BE NL LU DE CH AT PL CZ SK HU RO YU AL BG GR Cr Rd CY TR Cc GG AM AZ IQ IR Fa DK NO SE FI EE LV LT RU Kol K-R Sb Am Kmt Sh MD UA Cm BY IL Pa Jf LB Bsa KK KG Ui Kön KP KR JP 01 05 06 14 16 17 21 22 23 31 33 34 39 42 46 48 49 51 52 56 58 65 73**

170.*Xanthorhoe oxybiata* (Millière,1872)

Synonymy: oxybiata Millière,1872

Range (as code): **ES FR Sa Si IT YU GR TR CY 07 34**

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Kemal,M. & A.Ö.Koçak, 2017. Some vernal Lepidoptera of SE Turkey, faunistical results of a short trip made in 2017 with some taxonomic and bionomic notes. *Cesa News* 133: 1-16, 26 figs.

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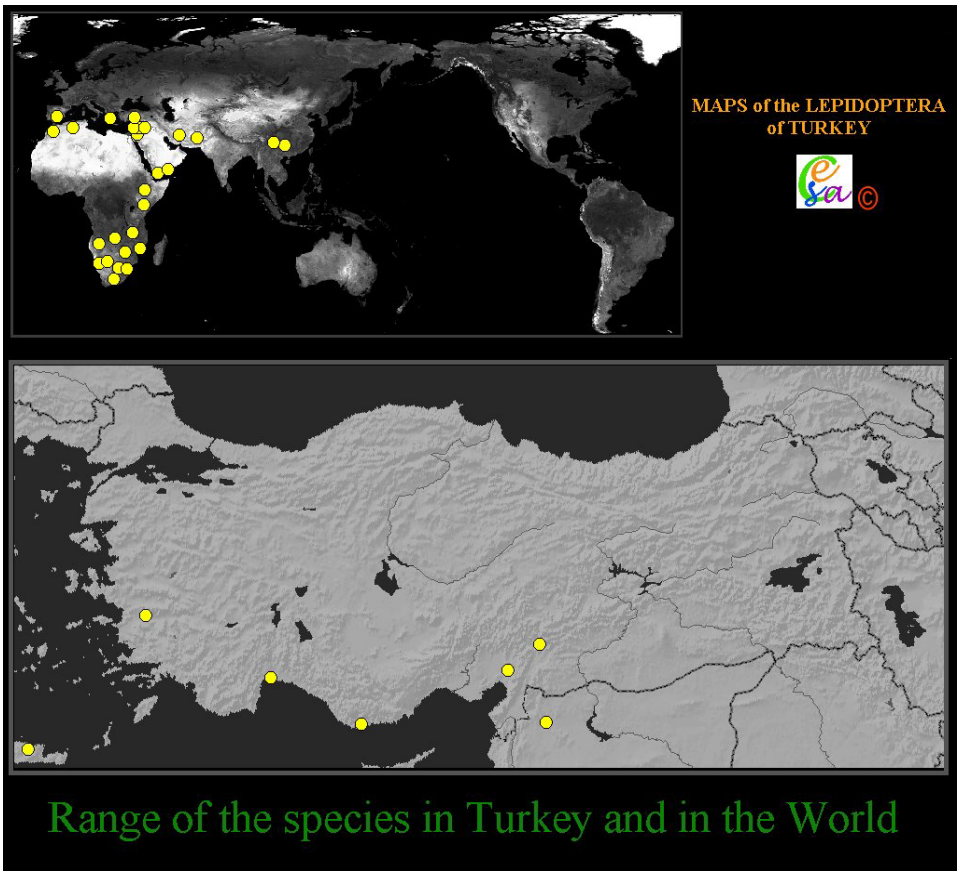
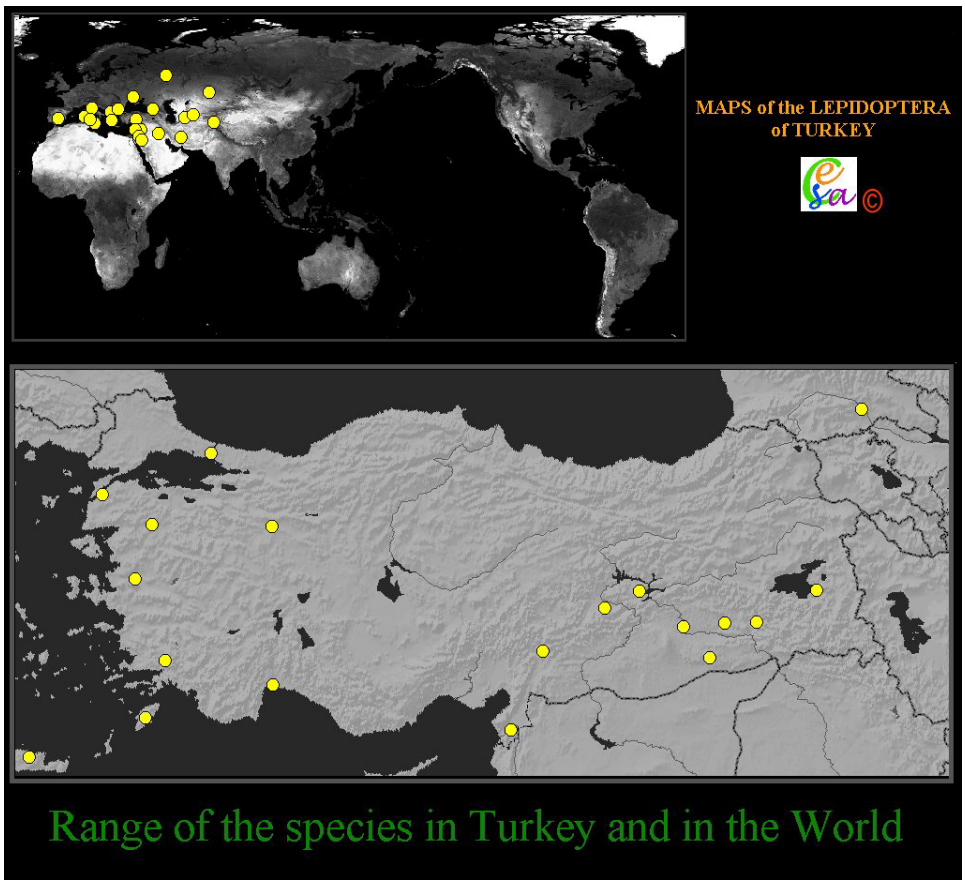
Koçak, A.Ö. & M. Kemal, 2018. A synonymous and distributional list of the species of the Lepidoptera of Turkey. Cent. ent. Stud., *Memoirs* 8: 1-487.

Koçak, A.Ö. & M. Kemal, 2019. First updated geographical codes used in the publications of the Cesa. *Priamus* 17 (4): 319-360.

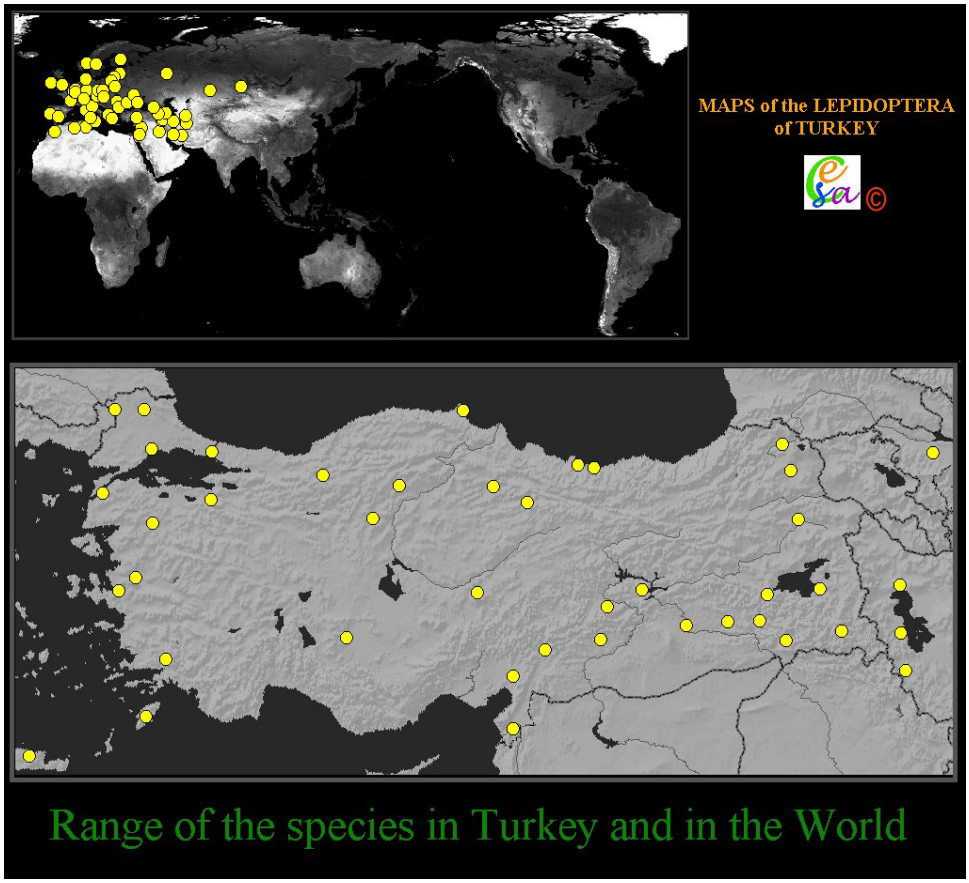
Maps of some Geometridae species from SW Turkey



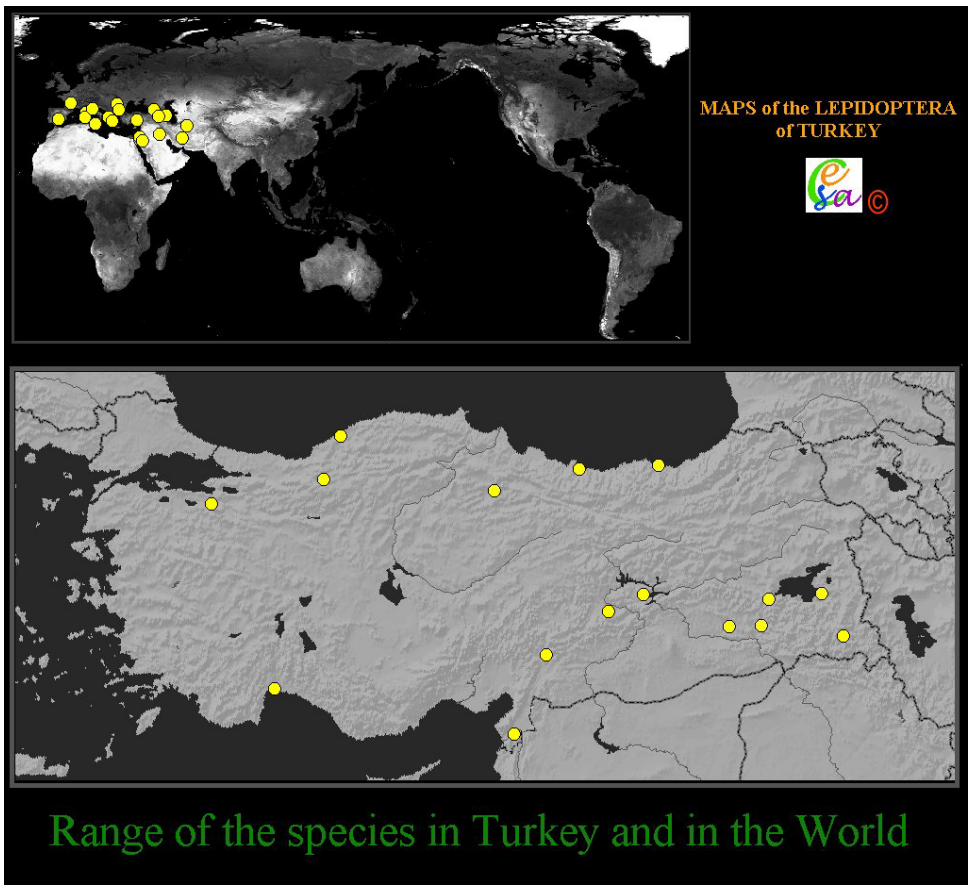
Map 2 - *Acanthovalva inconspicuaria*.



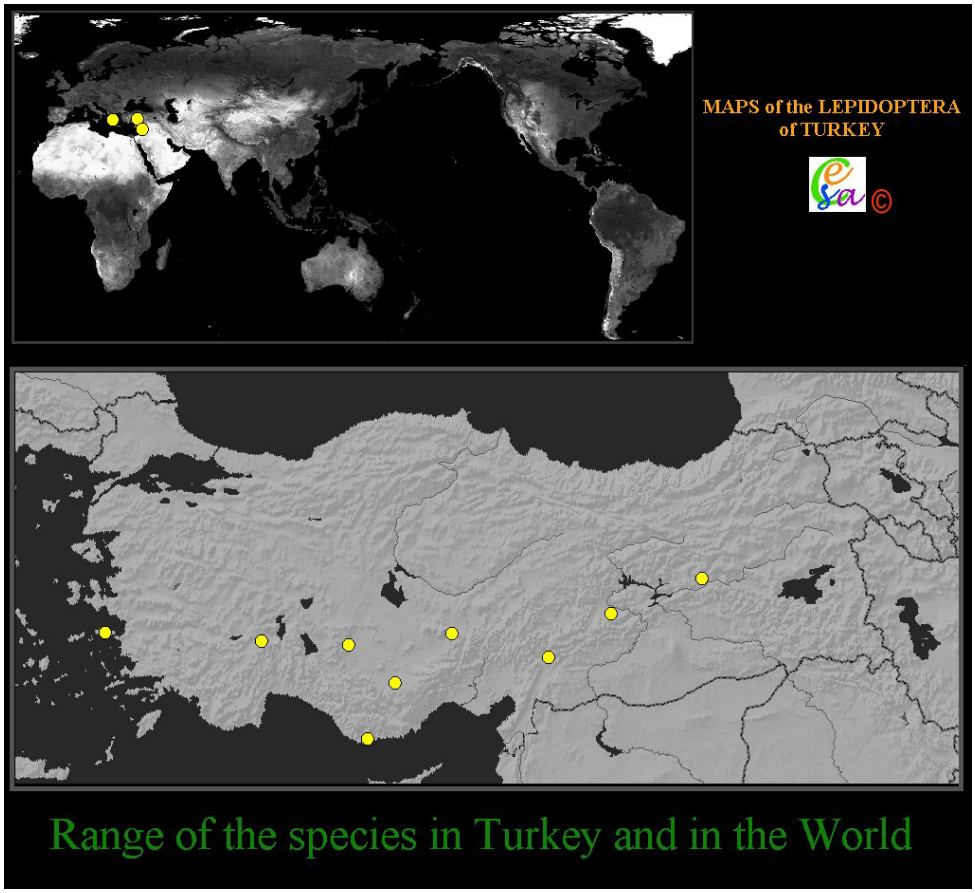
Map 3 - *Apochima flabellaria.*



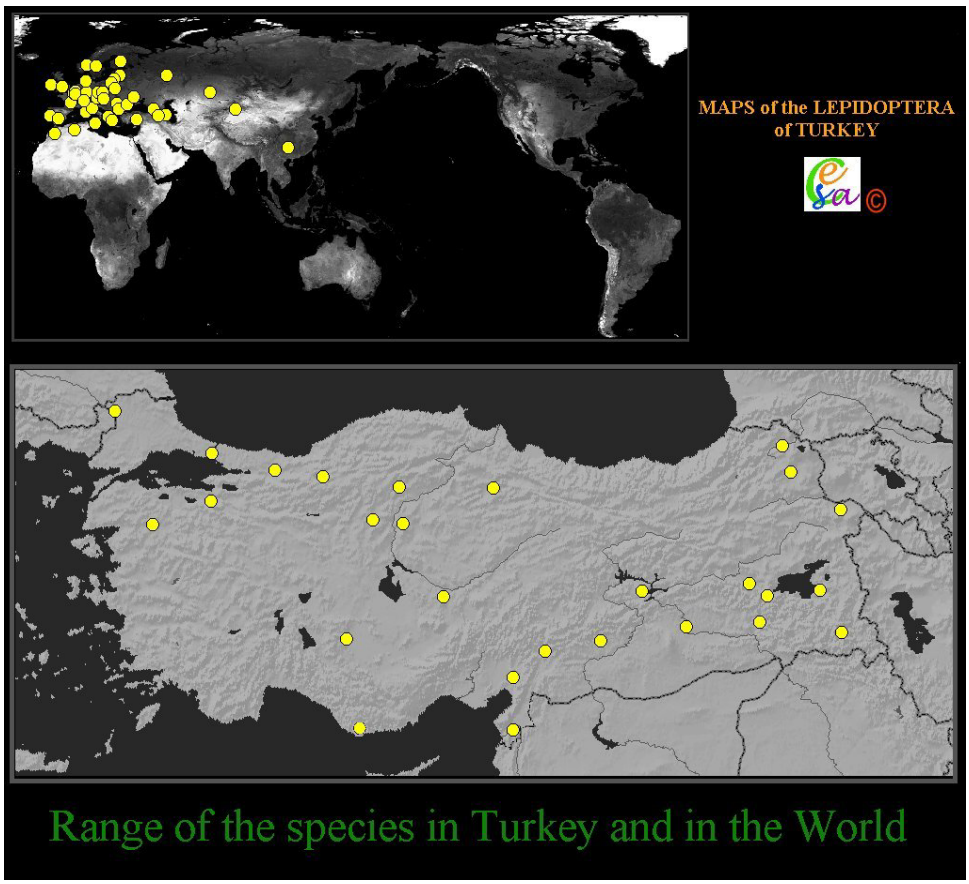
Map 4 - *Camptogramma bilineatum.*



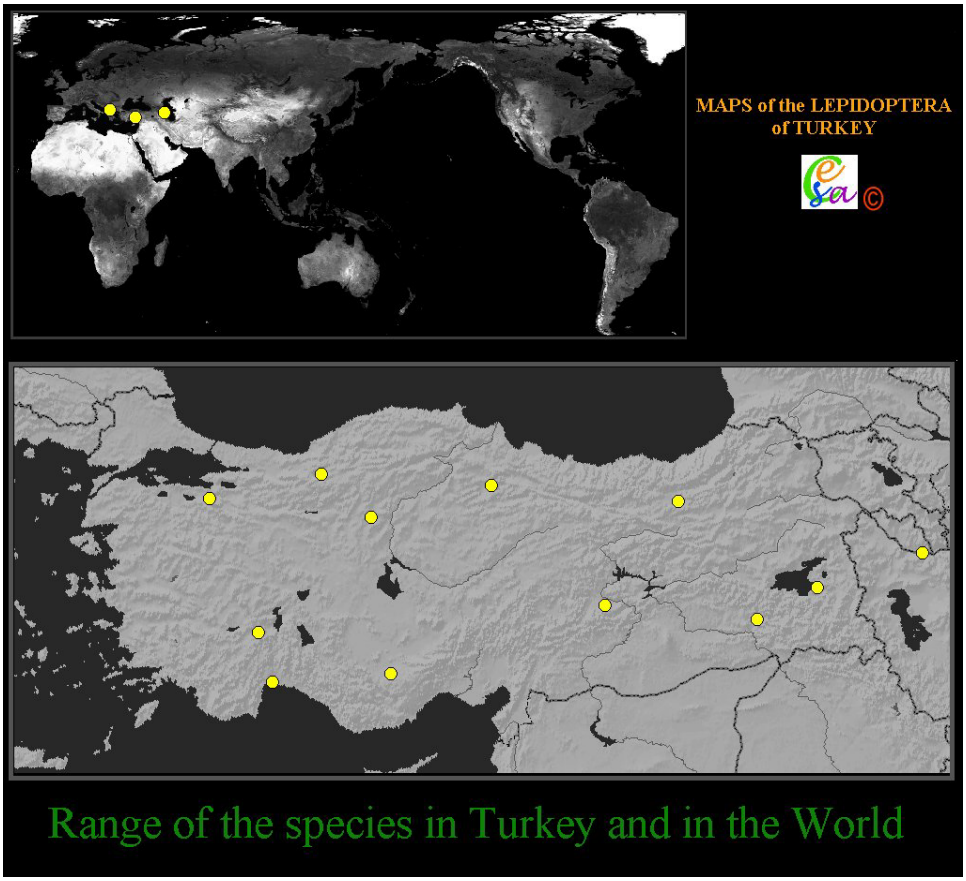
Map 5 - *Charissa (Kemtrognophos) onustaria.*



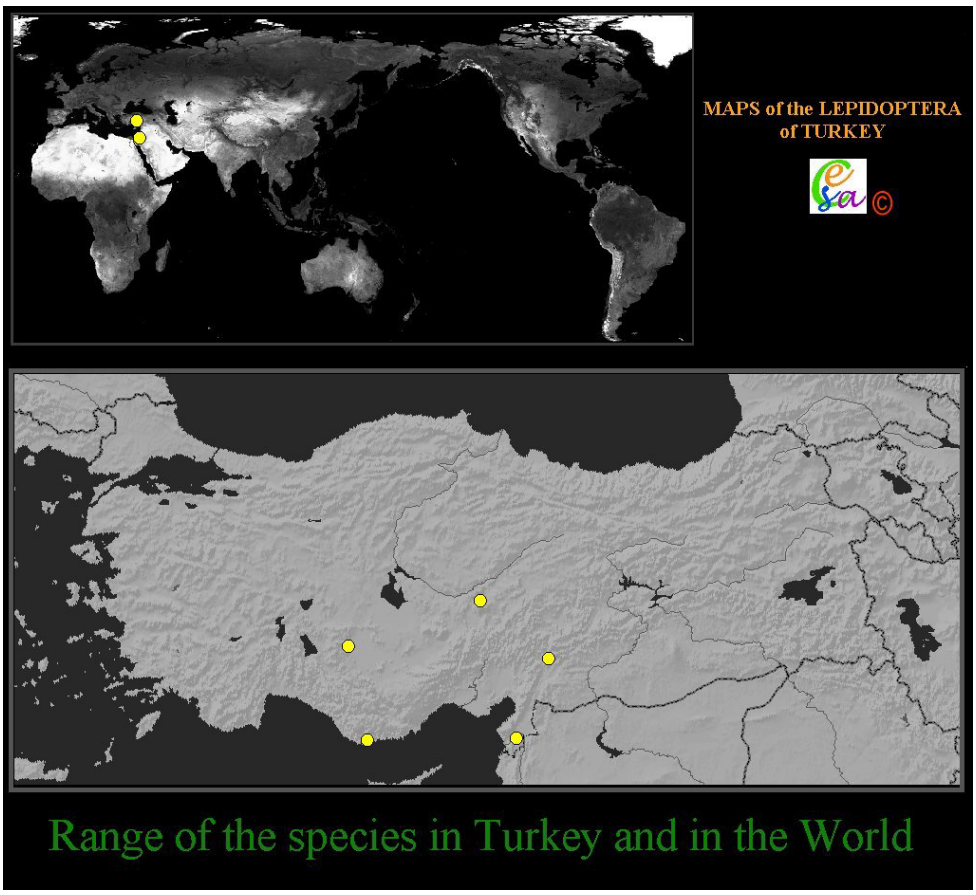
Map 6 - *Charissa (Neognophina) pfeifferi.*



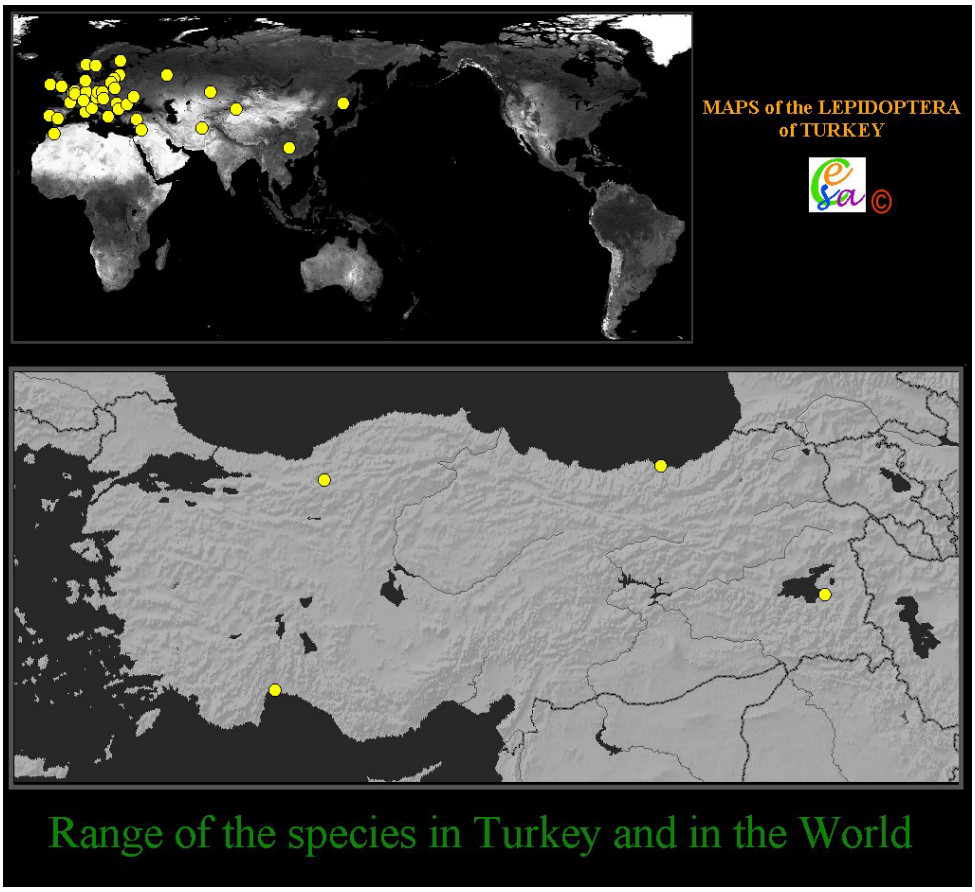
Map 7 - *Chiasmia clathrata.*



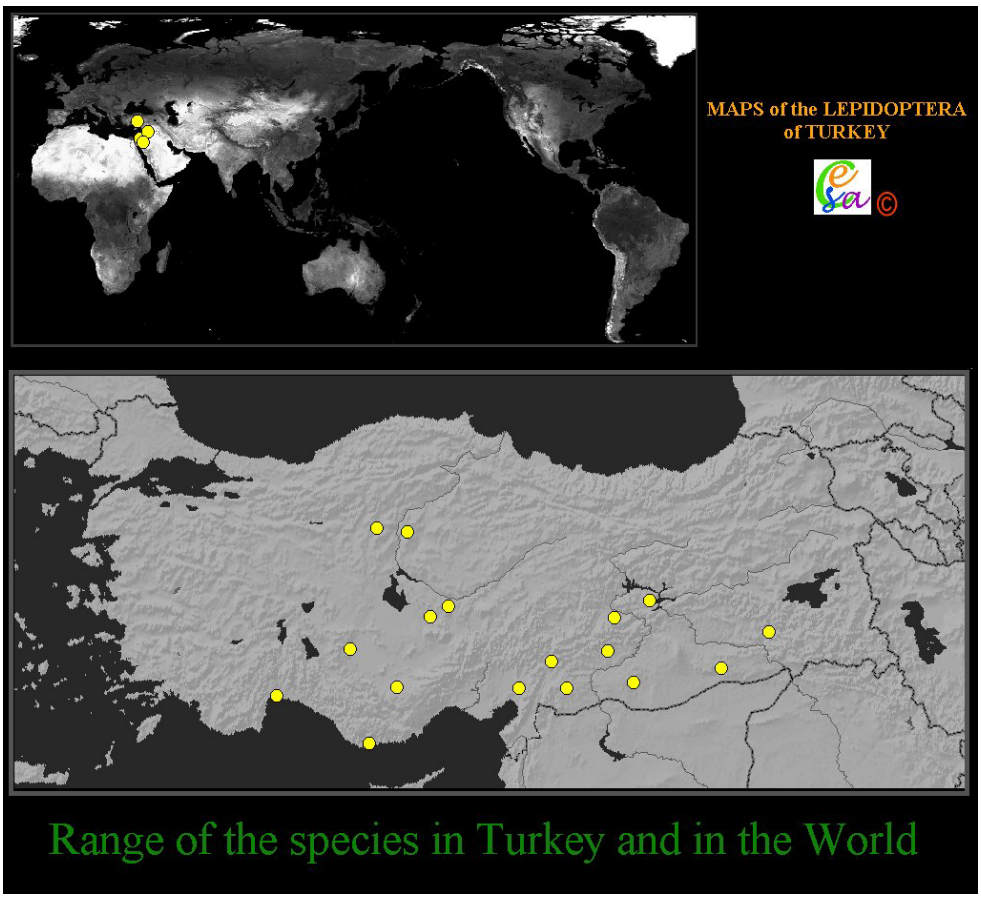
Map 8 - *Enanthyperythra legataria.*



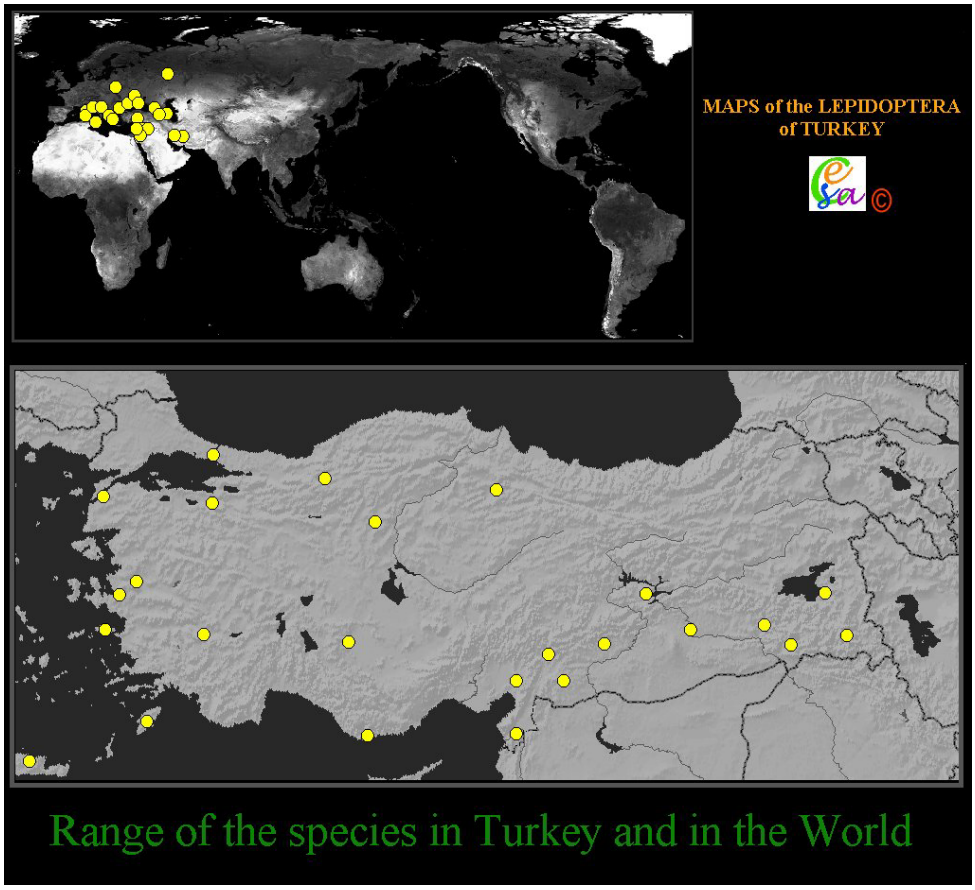
Map 9 - *Eumera turcosyrica*.



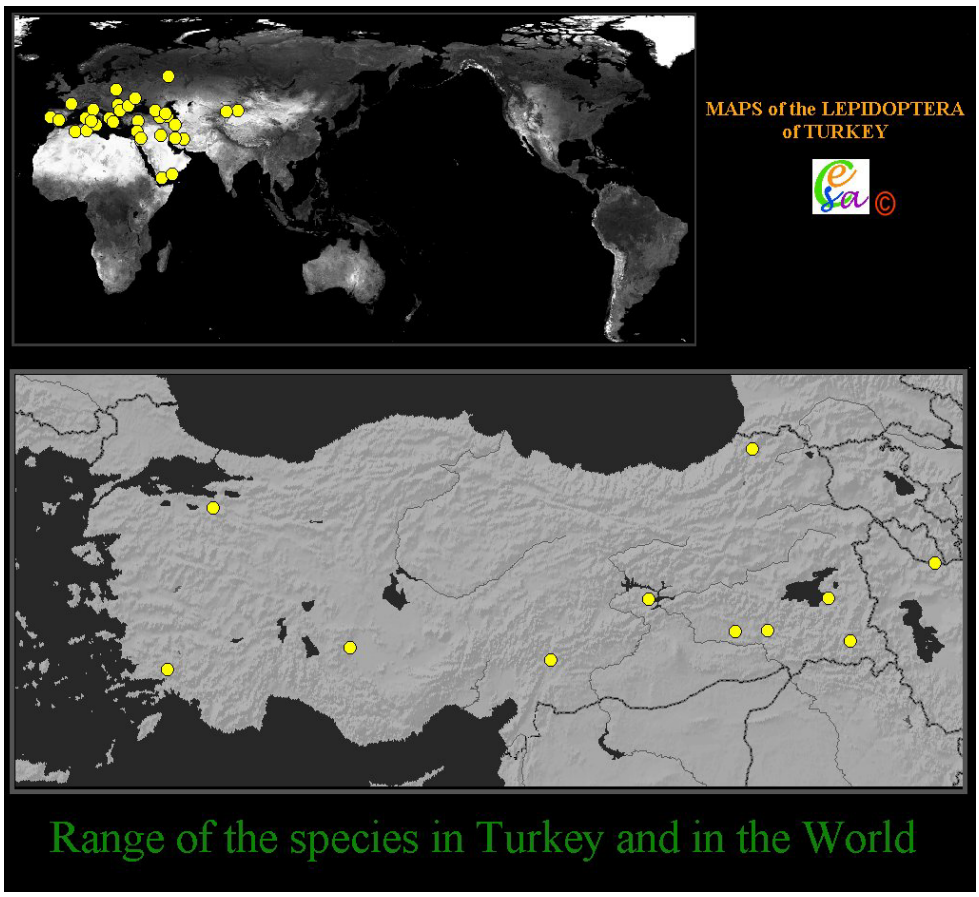
Map 10 - *Eupithecia vulgata*.



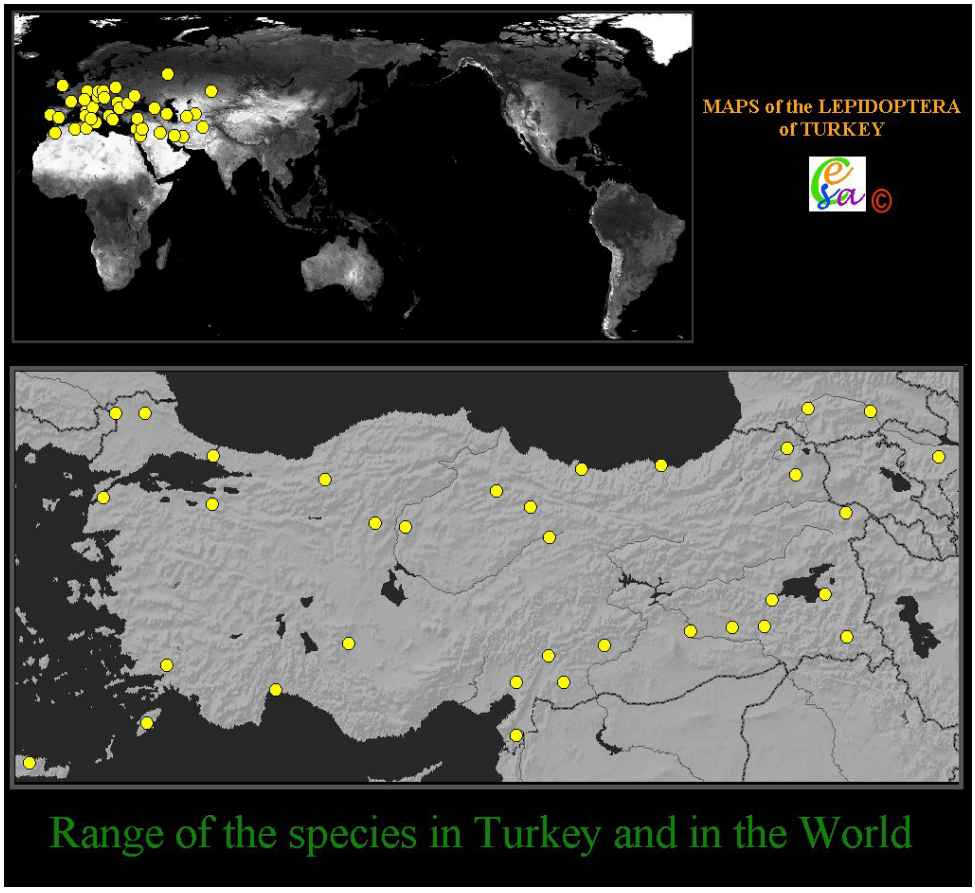
Map 11 - *Gnopharmia rubraria.*



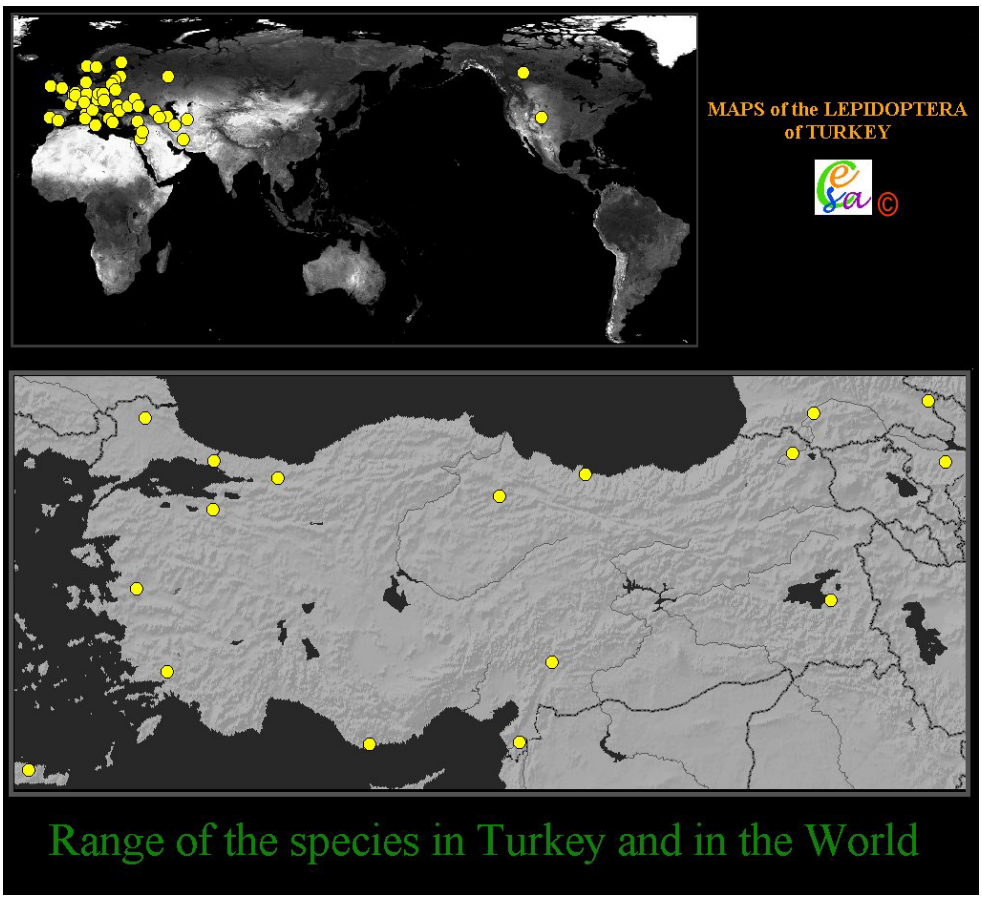
Map 12 - *Gnophos (Dicrognophos) sartatus.*



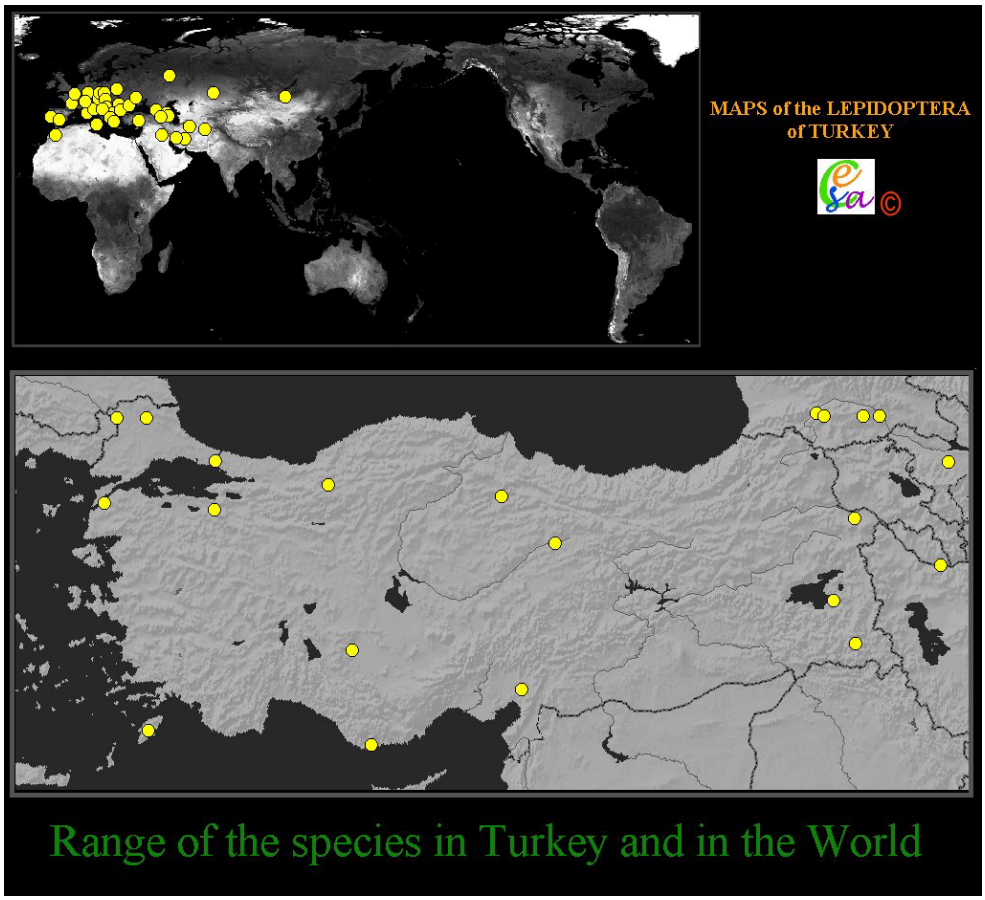
Map 13 - *Godonela aestimaria*.



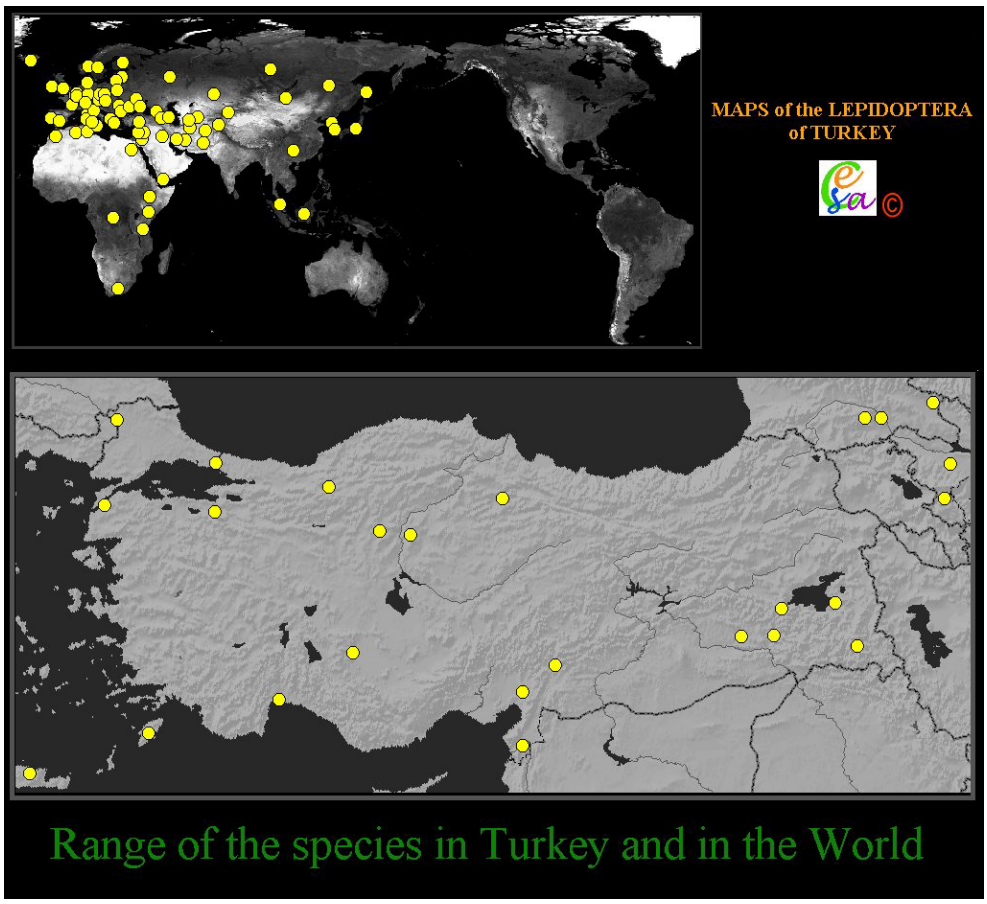
Map 14 - *Idaea degeneraria*.



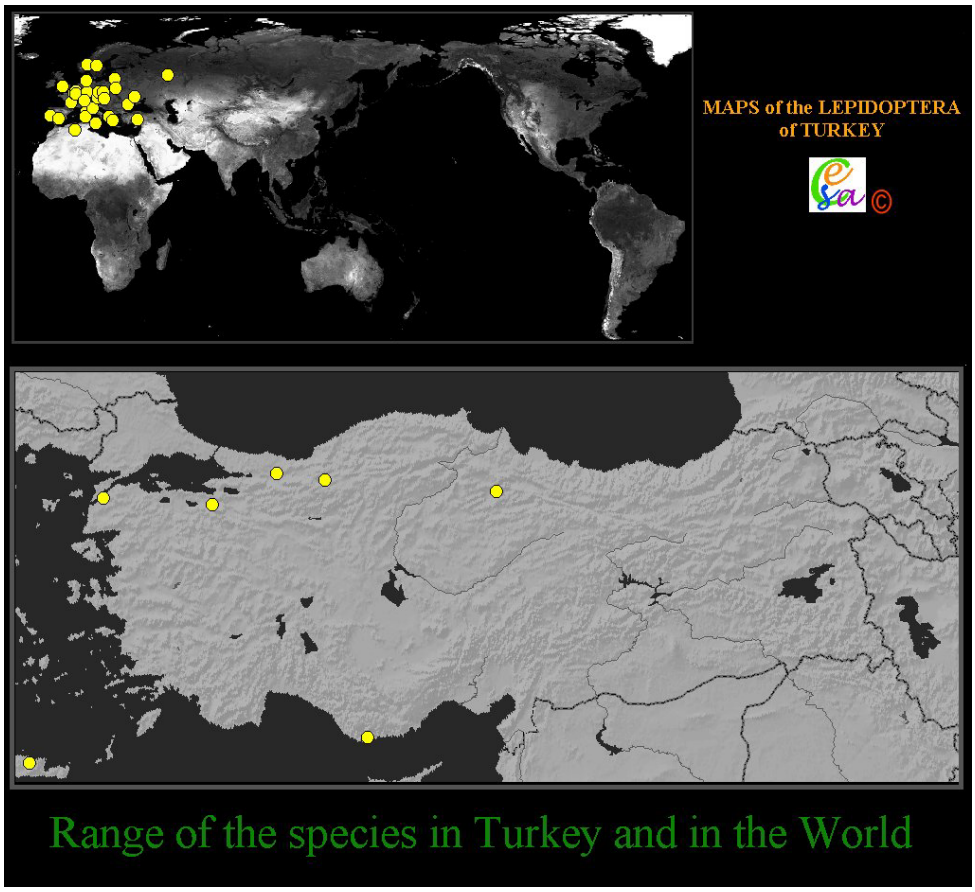
Map 15 - *Idaea dimidiata*.



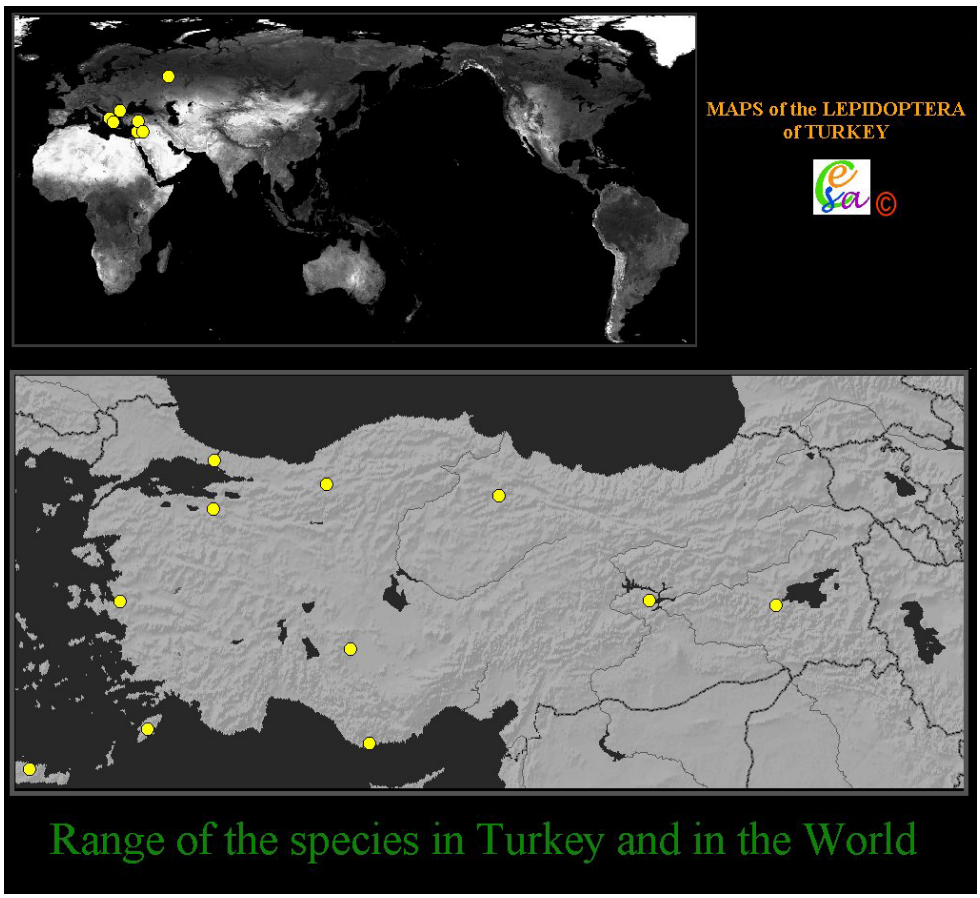
Map 16 - *Idaea rufaria*.



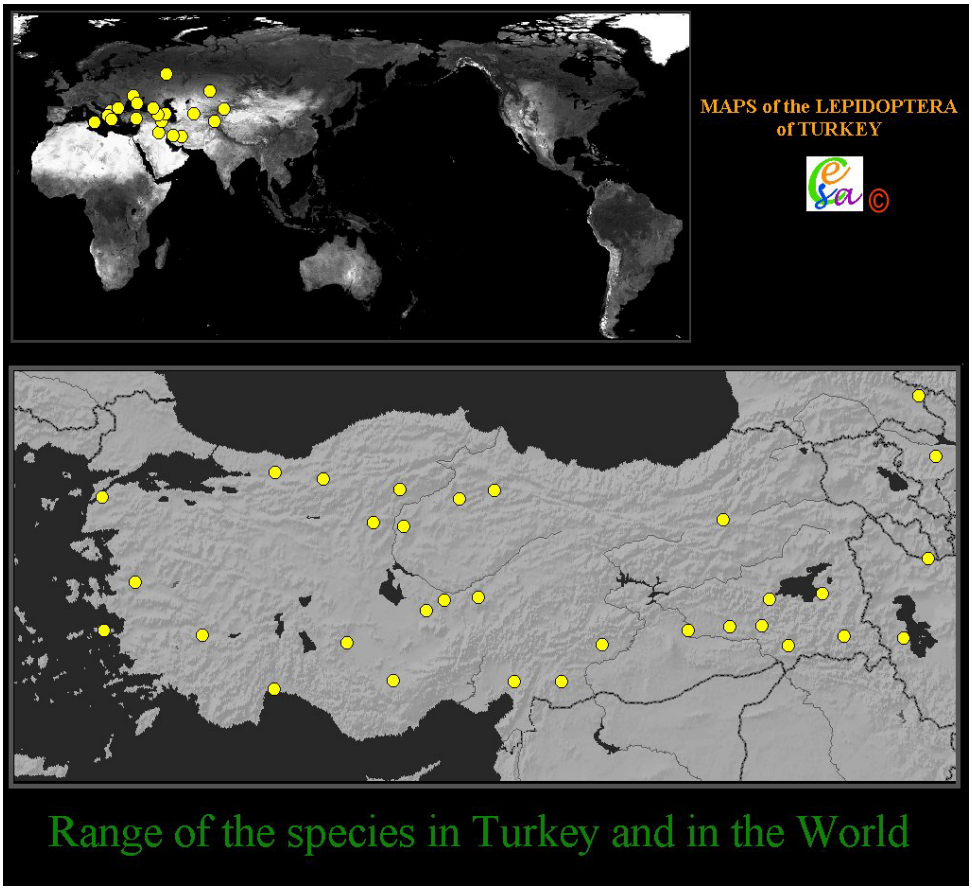
Map 17 - *Orthonama obstipata.*



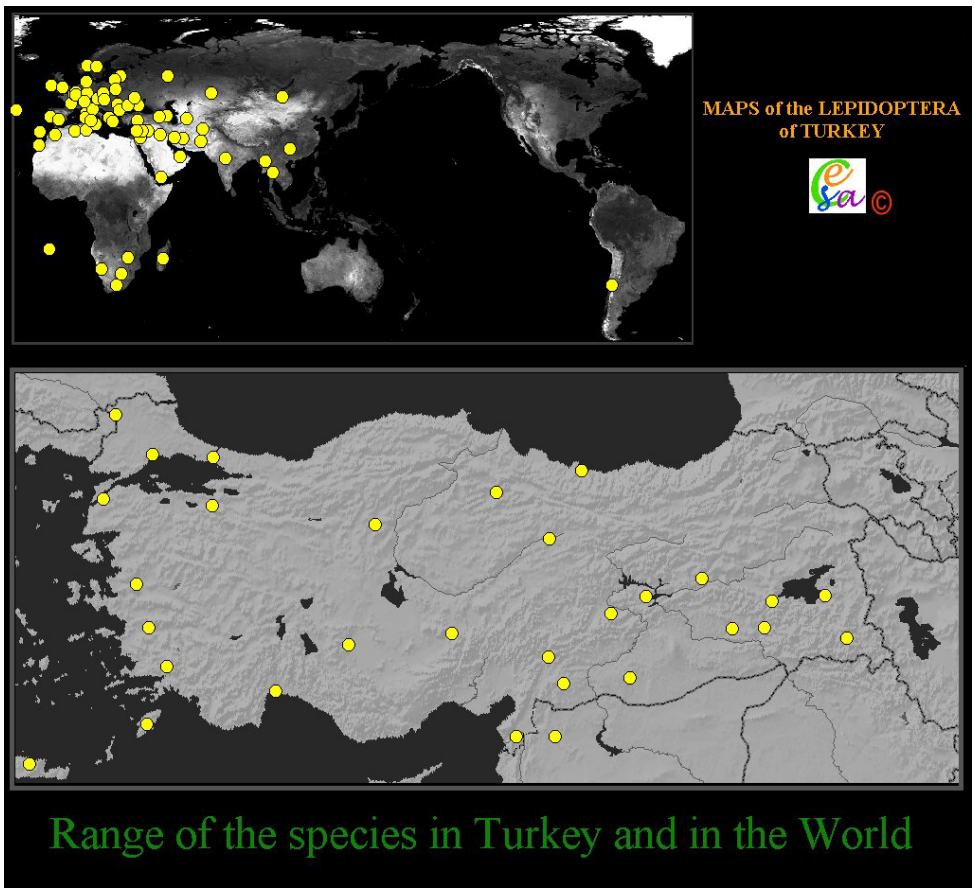
Map 18 - *Pachycnemia hippocastanaria.*



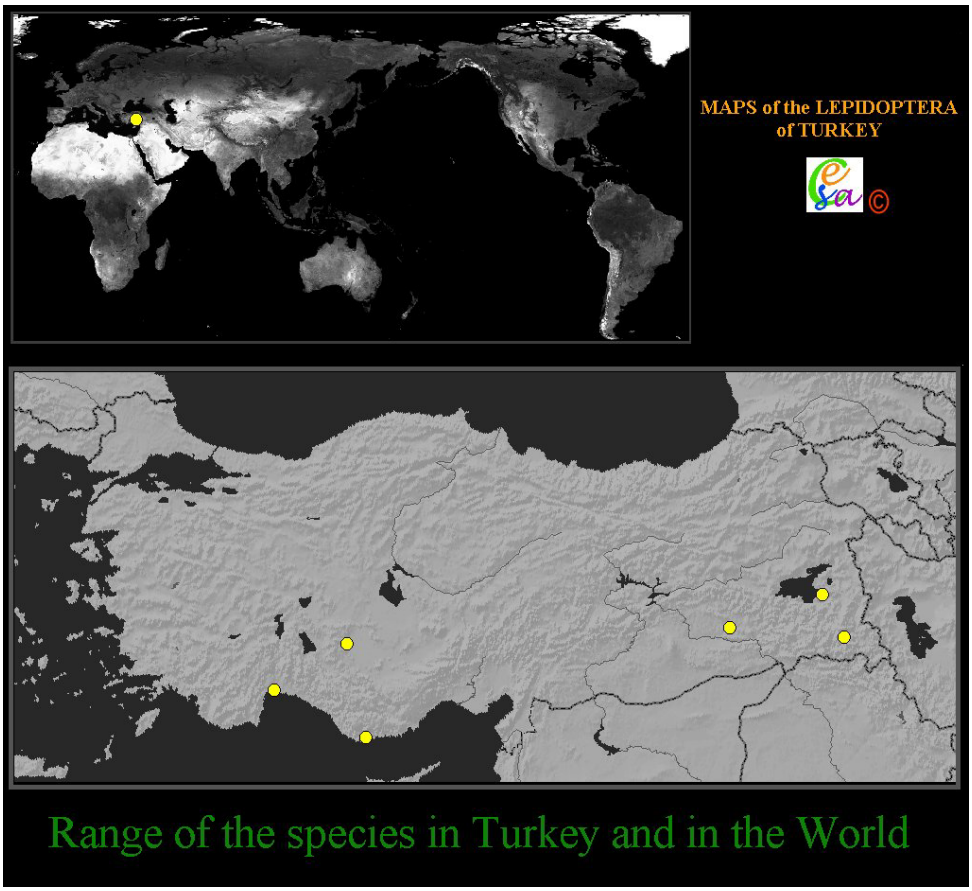
Map 19 - *Peribatodes correptarius*.



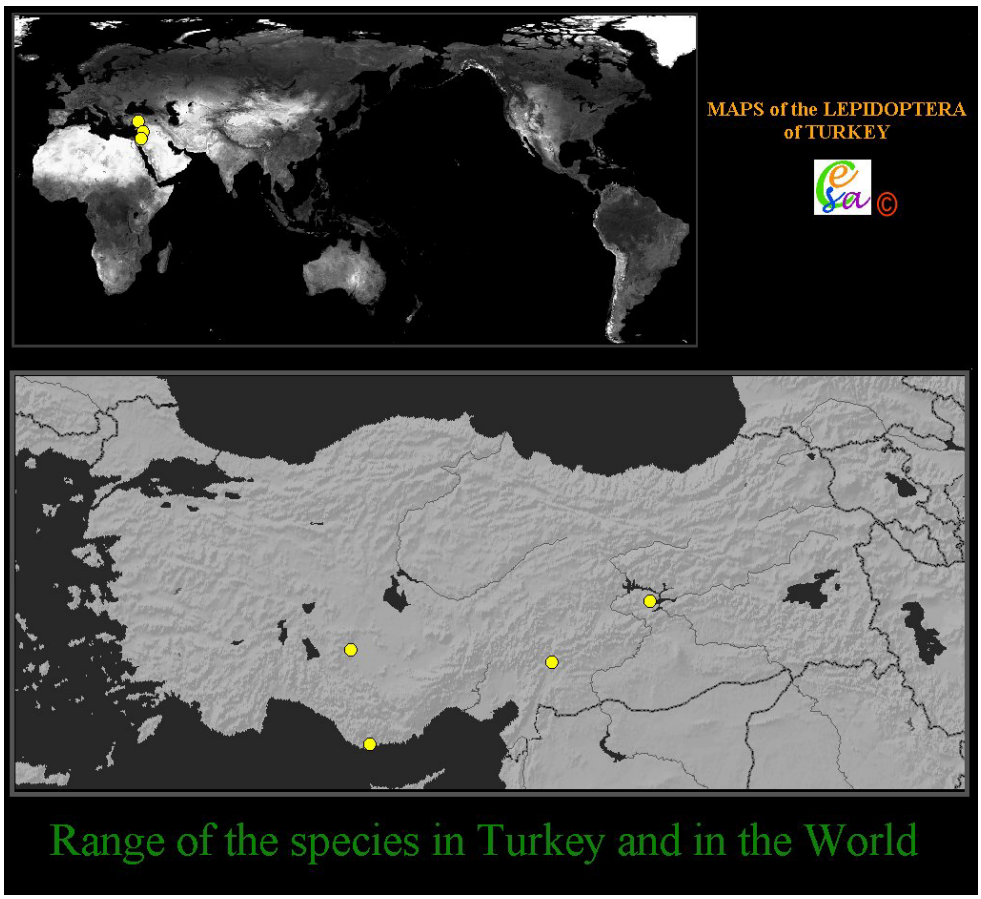
Map 20 - *Protorhoe unicata*.



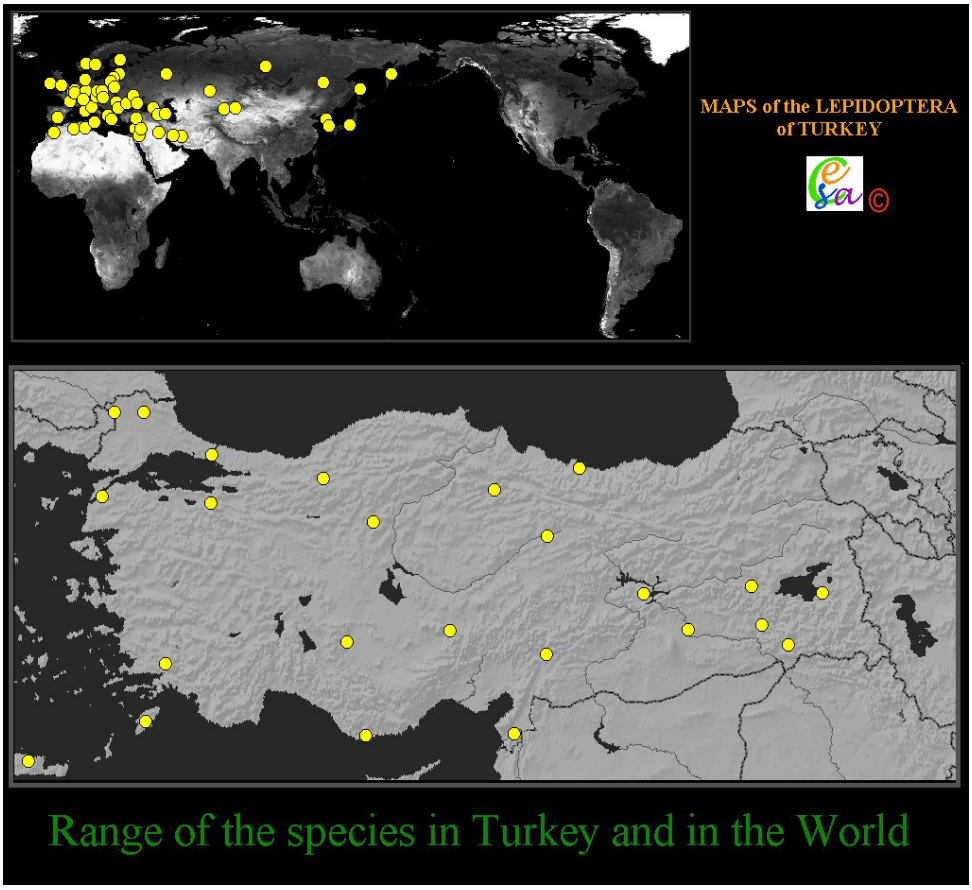
Map 21 - *Rhodometra sacraria.*



Map 22 - *Stueningia wolfi***.**



Map 23 - *Wehrliola revocaria***.**



Map 24 - *Xanthorhoe fluctuata.*

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